

MAINE STATE PRISON

DORIS BUFFET HIGHER EDUCATION CENTER RENOVATIONS

807 CUSHING RD, WARREN, ME 04864

SITE MAP:

PROJECT LOCATION:
DORIS BUILDING



DUMPSTER LOCATION
MATERIAL/EQUIPMENT
STORAGE
TRAILER LOCATION

DESIGNATED CONTRACTOR
PARKING AREA

ADD ALTERNATES:

ADD ALT. #1: PROVIDE NEW CEILING TILES AND GRID. SEE REFLECTED CEILING PLAN ON AE100 FOR ADDITIONAL INFORMATION.

BASE BID: EXISTING CEILING TILES AND GRID TO REMAIN AS IS. REPAIR/REPLACE TILES AND GRID AS REQUIRED FOR NEW WORK. EXISTING LIGHTS AND MECHANICAL TO BE SALVAGED FOR REUSE U.N.O. SEE ELEC. AND MECH. DRAWINGS FOR MORE INFORMATION.

ABBREVIATIONS:

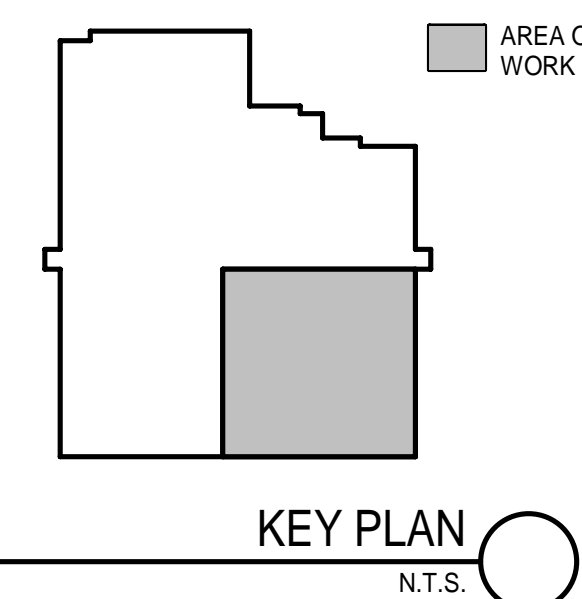
AB ANCHOR BOLT	L ANGLE / LENGTH
A/C AIR CONDITIONING	LF LEFT
ACDU AIR CONDITIONING CONDENSER UNIT	LINO SHEET LINOLEUM
ACPLAS ACoustICAL PLASTER	LL LIVE LOAD
ACT ACoustIC CEILING TILE	LLH LONG LEG HORIZONTAL
AFB ABOVE FINISH FLOOR	LLV LONG LEG VERTICAL
AGG AGGREGATE	LP LIGHTING PANEL / LIQUIFIED PROPANE
ALT ALTERNATE	
AP ACCESS PANEL	MAX MAXIMUM
APROX APPROXIMATE	MB MARKER BOARD
ARCH ARCHITECTURAL	MDO MEDIUM DENSITY OVERLAY
	MECH MECHANICAL
BCX BOTTOM CORD EXTENSION BOARD	MFR MANUFACTURER
BIT BITUMINOUS	MIN MINIMUM
BLDG BUILDING	MISC MISCELLANEOUS
BLP BORROWED LIGHT PANEL	MO MASONRY OPENING
BO BOTTOM OF	MR MOISTURE-RESISTANT
BOF BOTTOM OF FOOTING	MUA MAKE-UP AIR
BOS BOTTOM OF STEEL	
BOT BOTTOM	N NOSING
BRDG BRIDGING	NCB NEW CATCH BASIN
BRG BEARING	NDMH NEW DRAIN MANHOLE
BS BOTH SIDES	NFM NEW FORCE MAIN
BSE BRICK SHELF ELEVATION	NIC NOT IN CONTRACT
	NS NEAR SIDE
C CHANNEL	NSD NEW STORM DRAIN LINE
CB CATCH BASIN / CHALKBOARD	NSS NEW SANITARY SEWER LINE
CEM BD CEMENTITIOUS BACKER BOARD	NTS NOT TO SCALE
CFM CUBIC FEET PER MINUTE	NW NEW WATER LINE
CIP CAST IN PLACE	OC ON CENTER
CJ CONTROL JOINT / CONSTRUCTION JOINT	OF OUTSIDE FACE
CL CENTER LINE	OH OVERHEAD
CLL CONTRACT LIMIT LINE	PA PUBLIC ADDRESS
CLR CLEAR	PAF POWER-ACTUATED FASTENER
CMU CONCRETE MASONRY UNIT	PDU POOL DEHUMIDIFICATION UNIT
COL COLUMN	PL PLATE / PROPERTY LINE
CONC CONCRETE	PLAM PLASTIC LAMINATE
CONT CONTINUOUS	PLF POUNDS PER LINEAR FOOT
CT CERAMIC TILE	PP POWER PANEL
CUH CABINET UNIT HEATER	PSF POUNDS PER SQUARE FOOT
	PSI POUNDS PER SQUARE INCH
D DIAMETER	PT PRESSURE-TREATED
DBL DOUBLE	PVC POLYVINYL CHLORIDE
DF DRINKING FOUNTAIN	PVM PAVEMENT
DL DEAD LOAD	
DR DISPLAY RAIL	R RISER / RADIUS
DTL DETAIL	RB RESILIENT BASE
DW DISHWASHER	RD ROOF DRAIN
DWG DRAWING	REINF REINFORCED
	RECD REQUIRED
EA EACH	RT RIGHT
EF EXHAUST FAN / EACH FACE	RO ROUGH OPENING
EJ EXPANSION JOINT	ROW RIGHT OF WAY
EL ELEVATION	RR RUB-RAIL
ELEC ELECTRICAL	RTU ROOF TOP UNIT (HVAC)
EOP EDGE OF PAVEMENT	
EPDM ETHYLENE PROPYLENE DIENE MONOMER	SACT SUSPENDED ACOUSTIC TILE CEILING
EQ EQUAL	SC SOLID CORE
EW EACH WAY	SF SQUARE FOOT / SUPPLY FAN
EWC ELECTRIC WATER COOLER	SFRM SPRAYED FIRE-RESISTIVE MATERIAL
EXIST EXISTING	SHT SHEET
EXP EXPANSION	SIM SIMILAR
EXT EXTERIOR	SK SHEAR KEY
	SN SANITARY NAPKIN (DISPENSER)
FB FLAT BAR	SP SPECIAL
FBO FURNISHED BY OTHERS	SS STAINLESS STEEL
FCO FLOOR CLEAN-OUT	STA STATION
FD FLOOR DRAIN	STL STEEL
FE FIRE EXTINGUISHER	STRUC STRUCTURAL
FEC FIRE EXTINGUISHER CABINET	
FF FINISH FLOOR / FAR FACE	T TREAD
FFE FINISH FLOOR ELEVATION	TB TACKBOARD
FO FRAMED OPENING	T&B TOP AND BOTTOM
FRP FIBER REINFORCED PLASTIC	TBM TEMPORARY BENCHMARK
FS FAR SIDE	TCE TOP CHORD EXTENSION
FTG FOOTING	TJ TIE JOIST
	TO TOP OF
GA GAUGE	TOC TOP OF CONCRETE
GALV GALVANIZED	TOF TOP OF FOOTING
GB GRAB BAR	TOM TOP OF MASONRY
GC GENERAL CONTRACTOR	TOP TOP OF PIER
GDT GYPSUM DROP-IN TILE	TOS TOP OF STEEL
GV GRAVITY VENT	TOW TOP OF WALL
GWB GYPSUM WALL BOARD	TP T
	TP TOILET PAPER (DISPENSER) / TEST PIT
H HORIZONTAL	TS TUBE STEEL
HC HANDICAPPED / HOLLOW CORE	TYP TYPICAL
HORIZ HORIZONTAL	
HM HOLLOW METAL	UH UNIT HEATER
HRU HEAT RECOVERY UNIT	UNO UNLESS NOTED OTHERWISE
H&V HEATING AND VENTILATING	
HVAC HEATING, VENTILATING AND AIR CONDITIONING	V VENT PIPE / VERTICAL
	VB VAPOR BARRIER
I INCLUDED ANGLE	VCT VINYL COMPOSITION TILE
ID INSIDE DIAMETER	VERT VERTICAL
IF INSIDE FACE	VP VISION PANEL
IJ ISOLATION JOINT	VTR VENT THROUGH THE ROOF
IMP IMPACT RESISTANT	
INS INSULATED	W WITH
INV INVERT	WC WATER CLOSET
	WD WOOD
JS JOINT SUBSTITUTE	WF WIDE FLANGE
	WH WATER HEATER
K KIPS	WO WITH OUT
	WP WORKING POINT
	WS WEB STIFFENER
	WWF WELDED WIRE FABRIC

SYMBOL LEGEND:

	BUILDING SECTION
	WALL SECTION
	DETAIL
	EXTERIOR ELEVATION
	INTERIOR ELEVATION
	DATUM REFERENCE
	KEY NOTE
	EQUIPMENT/ACCESSORY TAG
	WINDOW TAG
	PARTITION TAG
	DOOR TAG
	ROOM TAG
	COLUMN BUBBLE AND CENTER LINE
	EXISTING COLUMN BUBBLE AND CENTER LINE
	REVISION
	AREA OF REVISION

DRAWING LIST

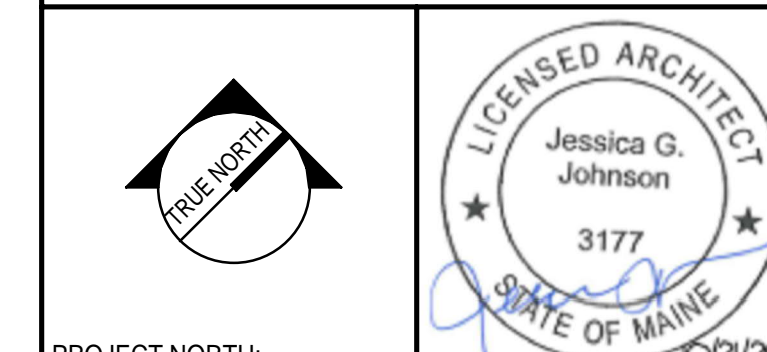
Sheet Number	Sheet Name
01 - GENERAL	
G1001	COVER SHEET, LEGEND AND ABBREVIATIONS
G1002	MOUNTING HEIGHTS, PARTITION TYPES, TOP OF WALL AND BUILDING DETAILS
G1003	CODE COMPLIANCE AND LIFE SAFETY PLAN
G1004	OCCUPANCY PLAN
09 - ARCHITECTURAL	
AD100	DEMOLITION PLAN
AE100	FLOOR AND REFLECTED CEILING PLAN
AE210	INTERIOR ELEVATIONS
AE600	DOOR TYPES, DETAILS AND SCHEDULE, WINDOW TYPES AND DETAILS
10 - INTERIORS	
ID100	FINISH PLAN
IF100	FURNITURE PLAN
11 - FIRE PROTECTION	
FP001	FIRE PROTECTION LEGEND AND ABBREVIATIONS
FP101	LEVEL 1 - FIRE PROTECTION DEMO AND NEW WORK PLANS
14 - MECHANICAL	
M-001	MECHANICAL LEGEND AND ABBREVIATIONS
MH101	LEVEL 1 - MECHANICAL DUCTWORK DEMO AND NEW WORK PLANS
MP101	LEVEL 1 - MECHANICAL PIPING DEMO AND NEW WORK PLANS
M-501	MECHANICAL DETAILS
M-502	MECHANICAL DETAILS
M-601	MECHANICAL SCHEDULES, SEQUENCES OF OPERATIONS, AND CONTROL DIAGRAMS
15 - ELECTRICAL	
E-001	LEGEND AND GENERAL NOTES
ED101	ELECTRICAL DEMOLITION PLAN
EP101	POWER PLAN
EL101	LIGHTING PLAN
EY101	SYSTEMS PLAN
ET101	ELECTRICAL TECHNOLOGY PLAN



REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
10-21-20

CURRENT ISSUE STATUS:

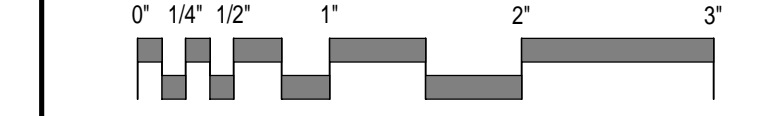


PROJECT NORTH:
SMRT Architects and Engineers
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Portland, Maine 04101
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**MAINE STATE PRISON
DORIS BUFFET HIGHER
EDUCATION CENTER
RENOVATIONS**
807 Cushing Rd, Warren, ME 04864

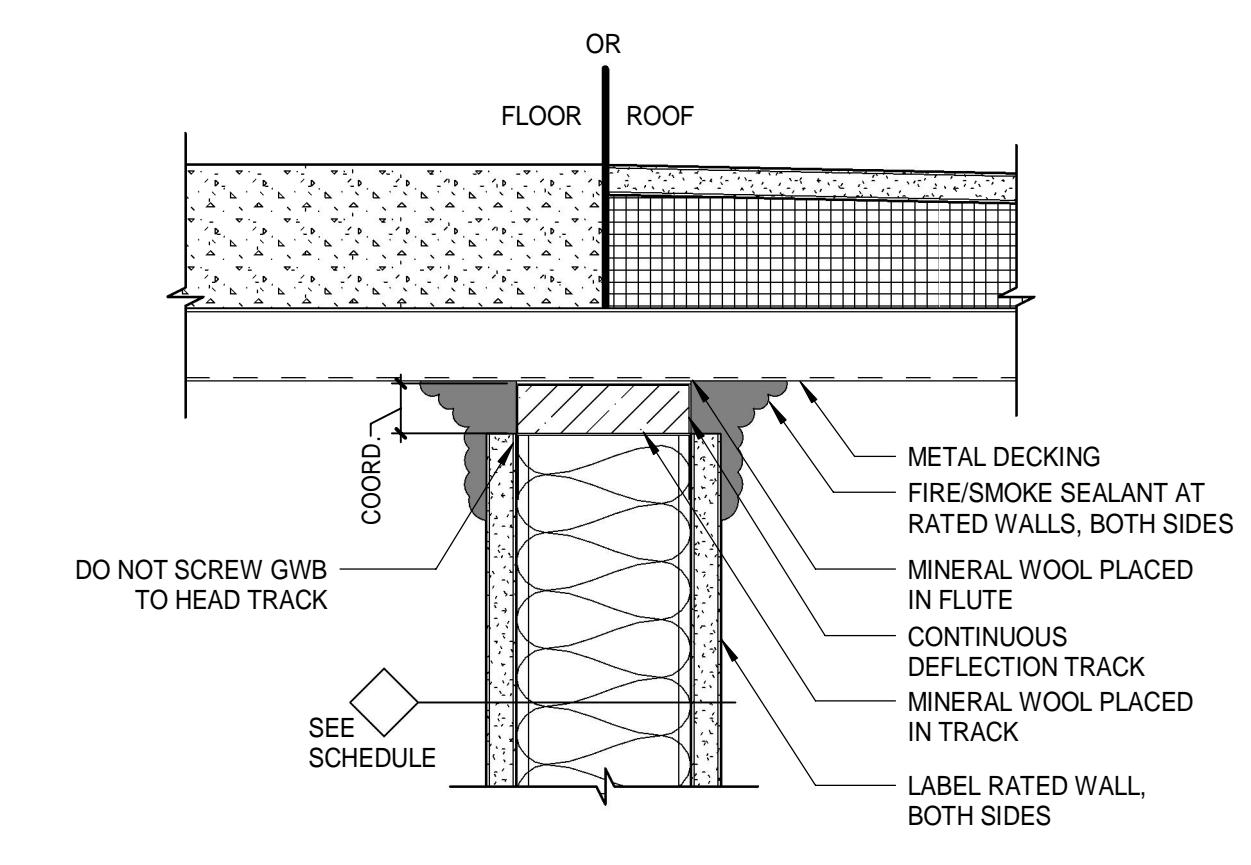
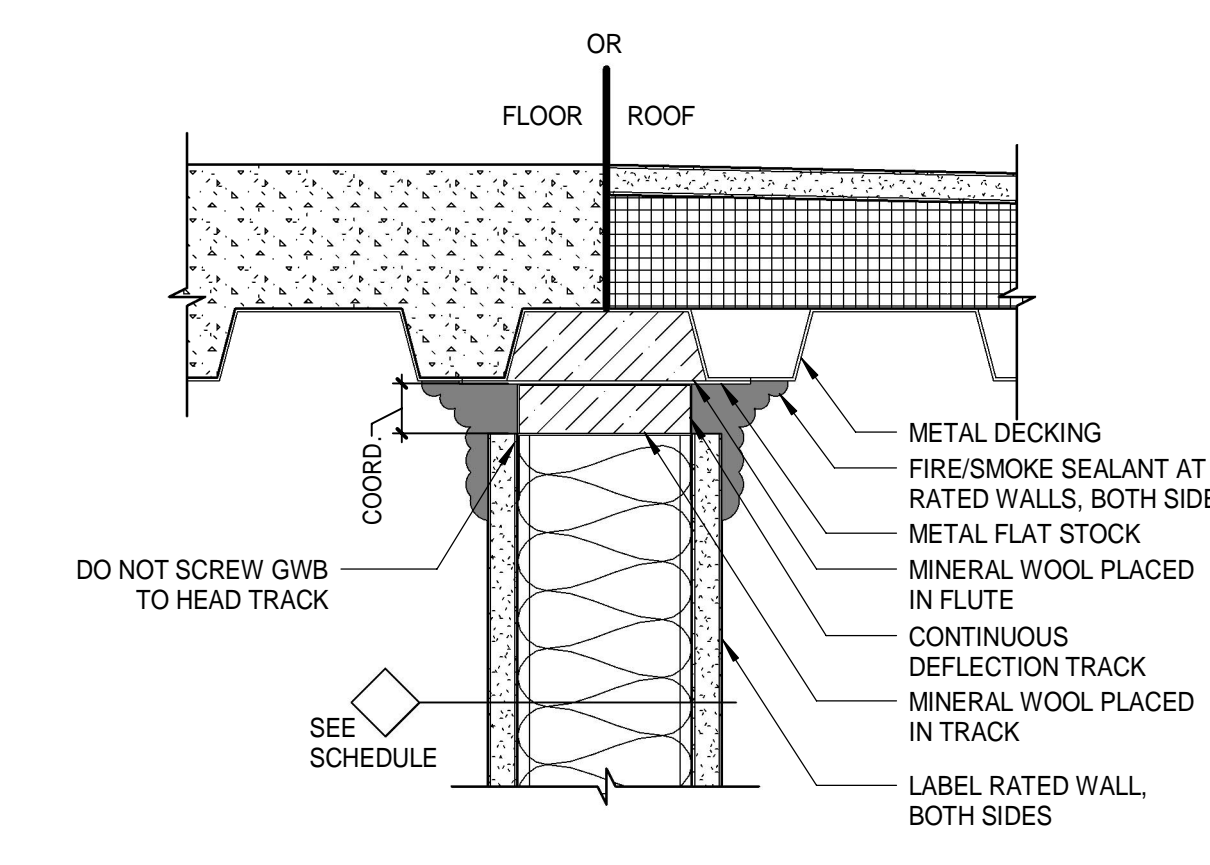
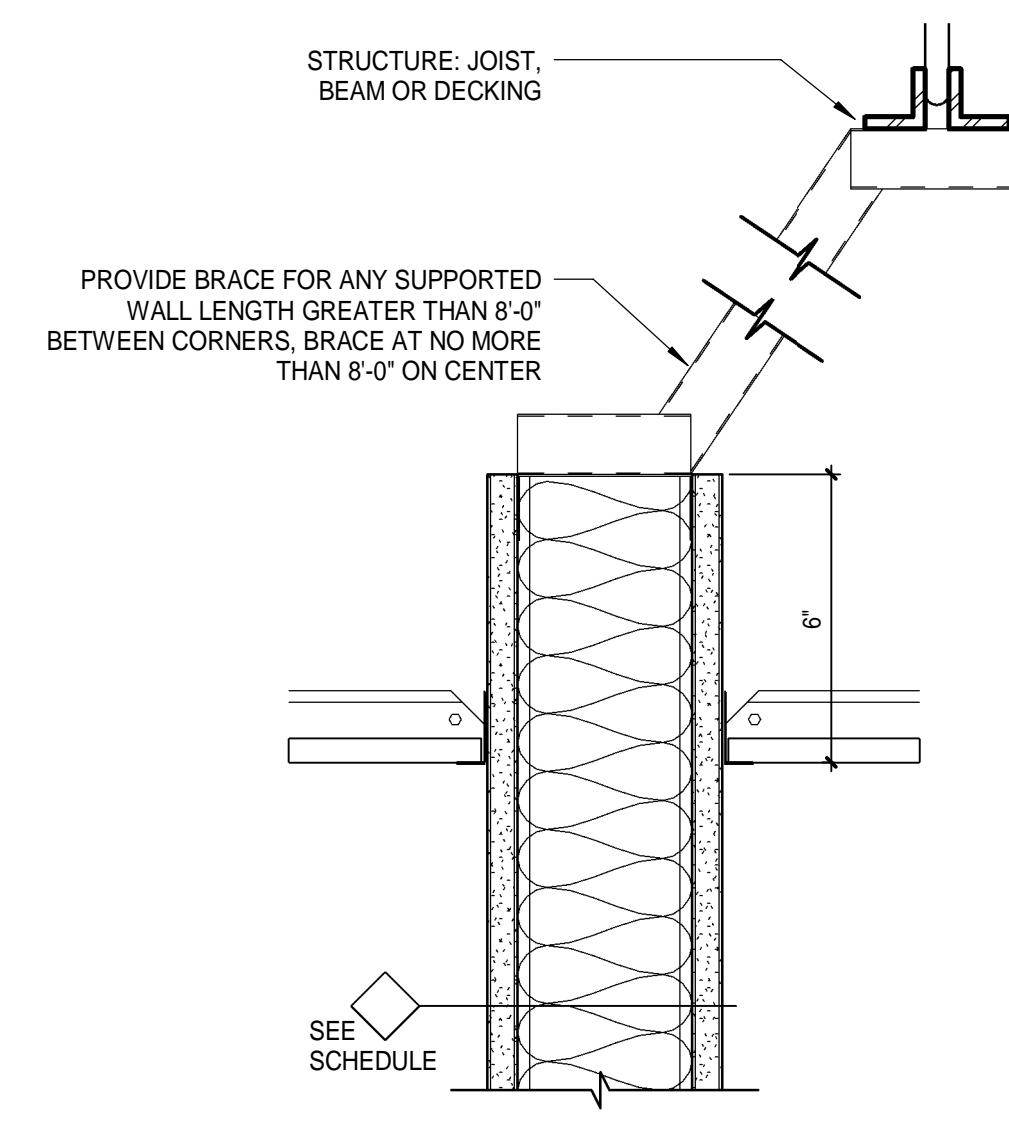
**COVER SHEET, LEGEND AND
ABBREVIATIONS**

SHEET TITLE:



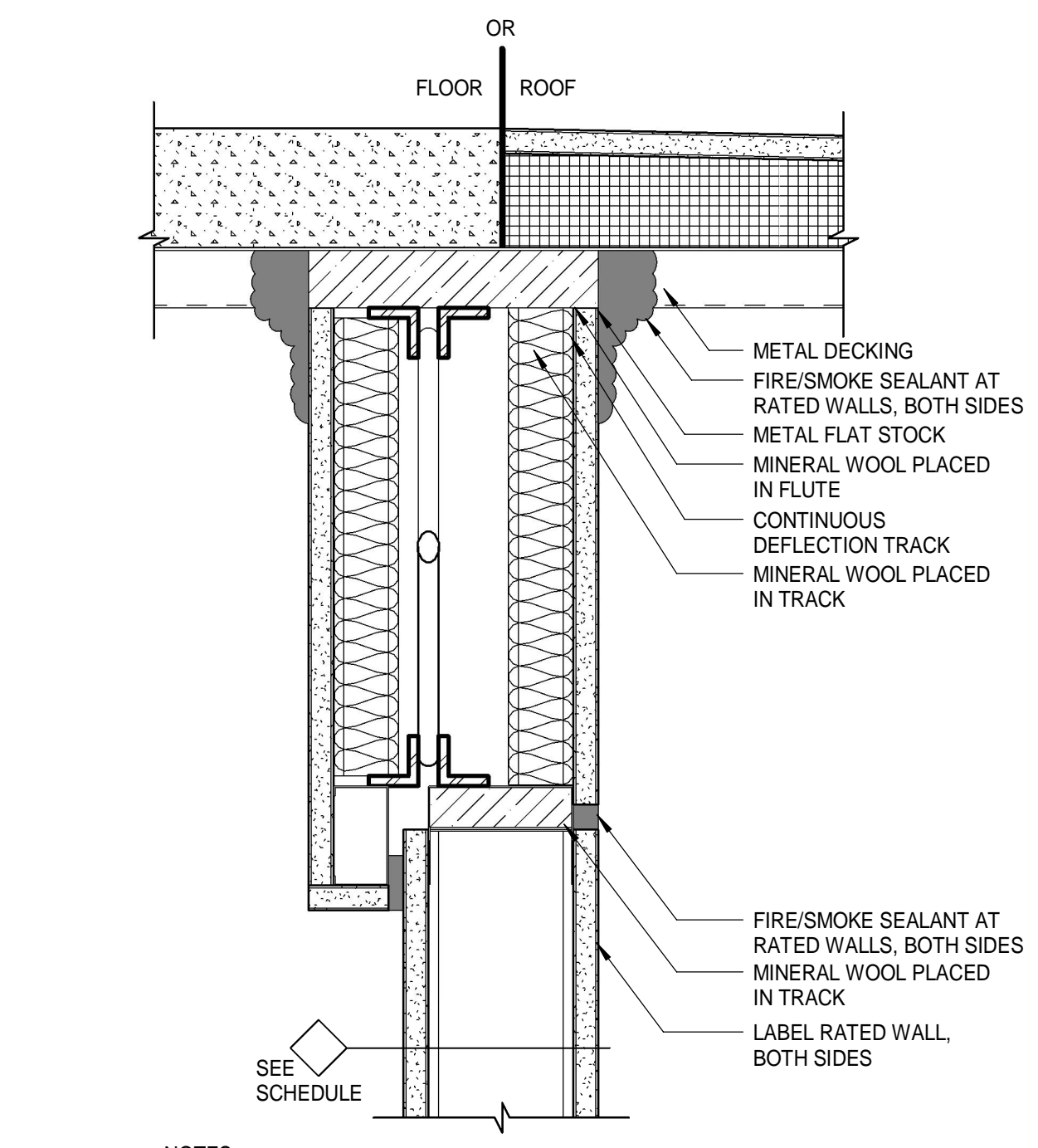
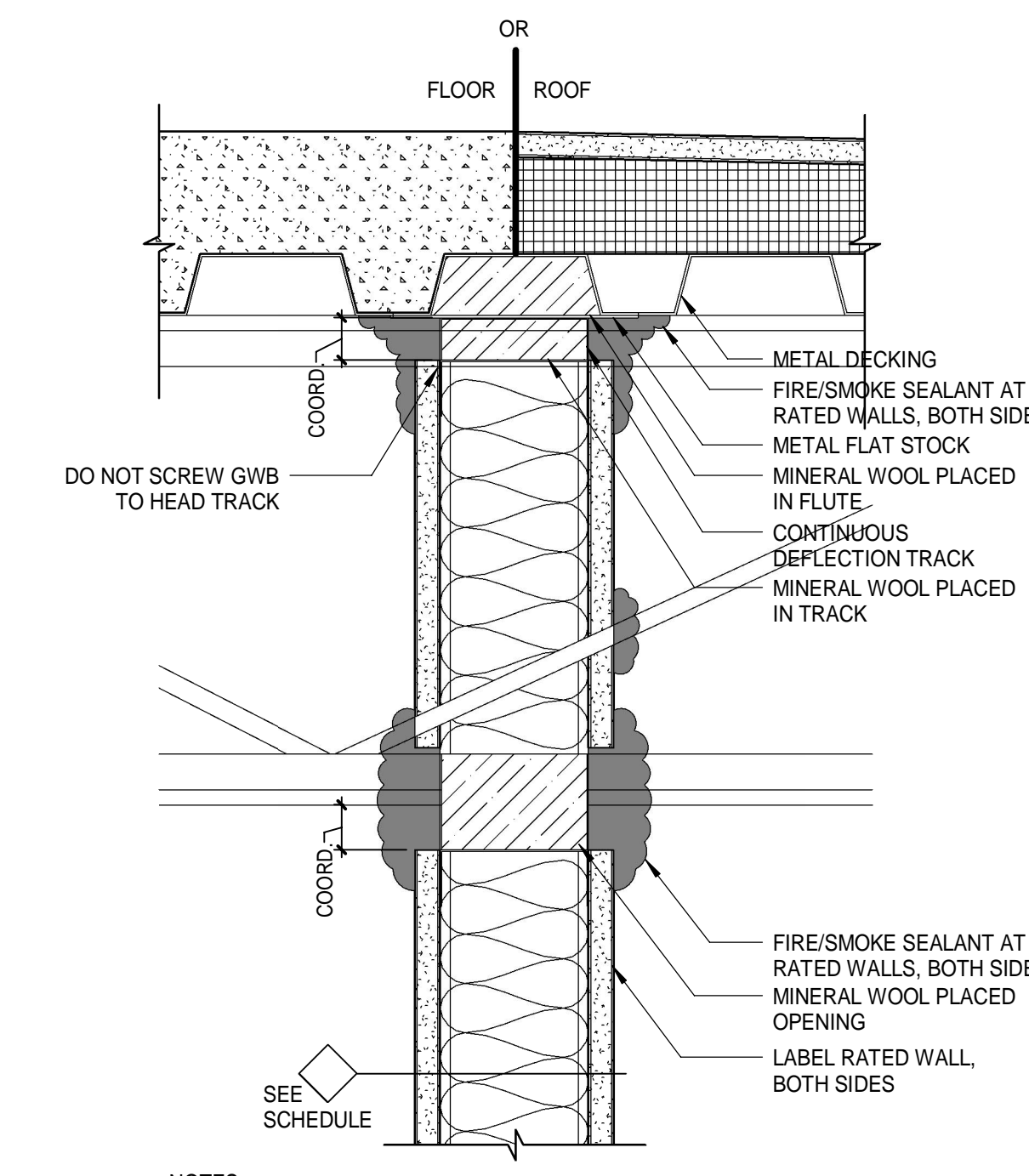
SCALE: AS NOTED

PROJECT MANAGER: JGJ	PROJECT NO: 20560
A/E OF RECORD: JGJ	
JOB CAPTAIN: BLS	
DRAWN BY: BLS	
SMRT FILE: G1001-20560	SHEET No. G1001



NOTES:
 1. REFER TO FLOOR PLAN FOR RATED WALLS.
 2. ACOUSTICAL SEALANT MAY BE USED IN PLACE OF FIRE/SMOKE SEALANT IF WALL IS NOT RATED.
 3. COMPLY WITH REQUIREMENTS OF UL SYSTEM HW-D-0224 (OR EQUAL) WHERE WALL IS INDICATED TO BE FIRE OR SMOKE RATED.
 4. TAPE AND CAULK ALL PENETRATIONS.

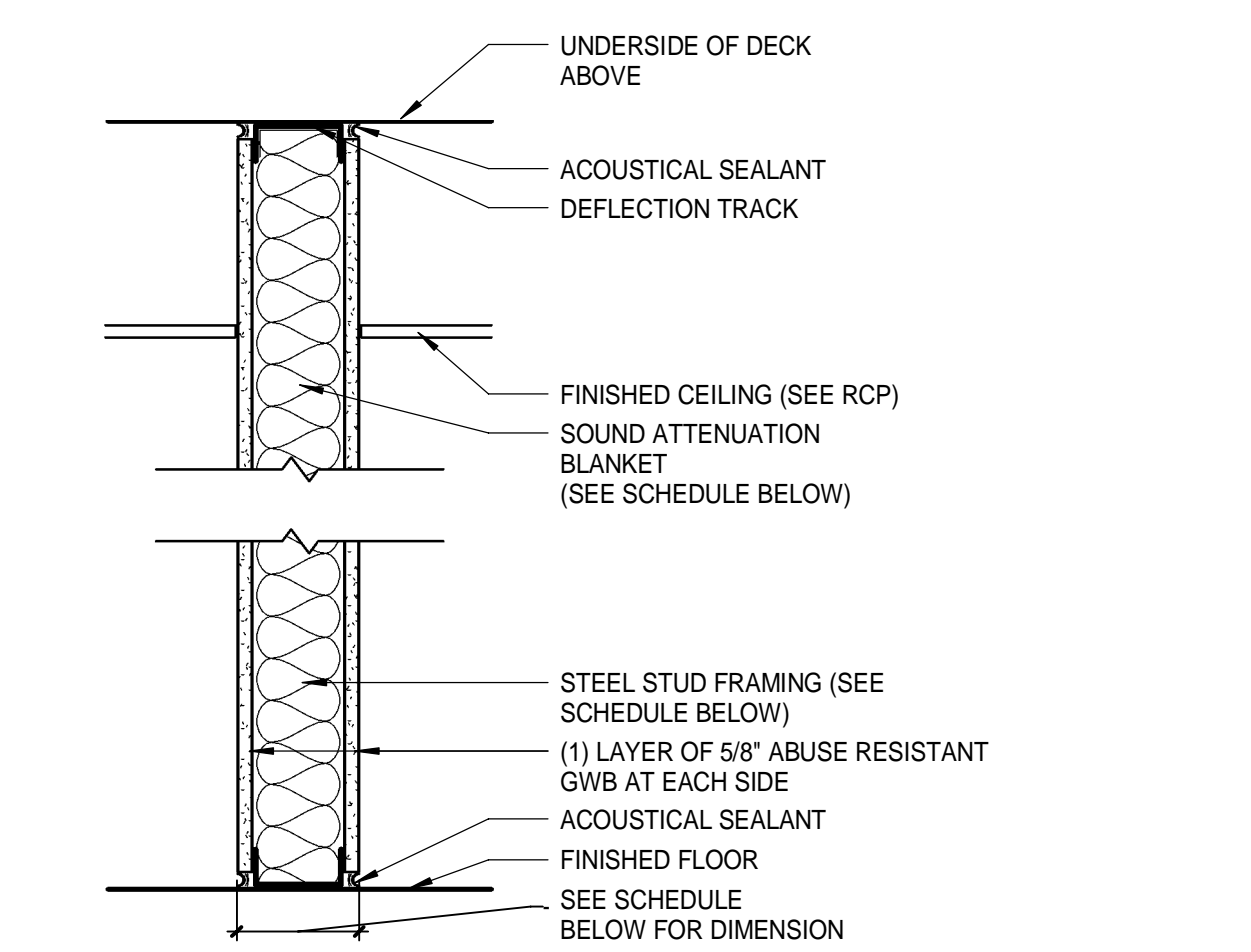
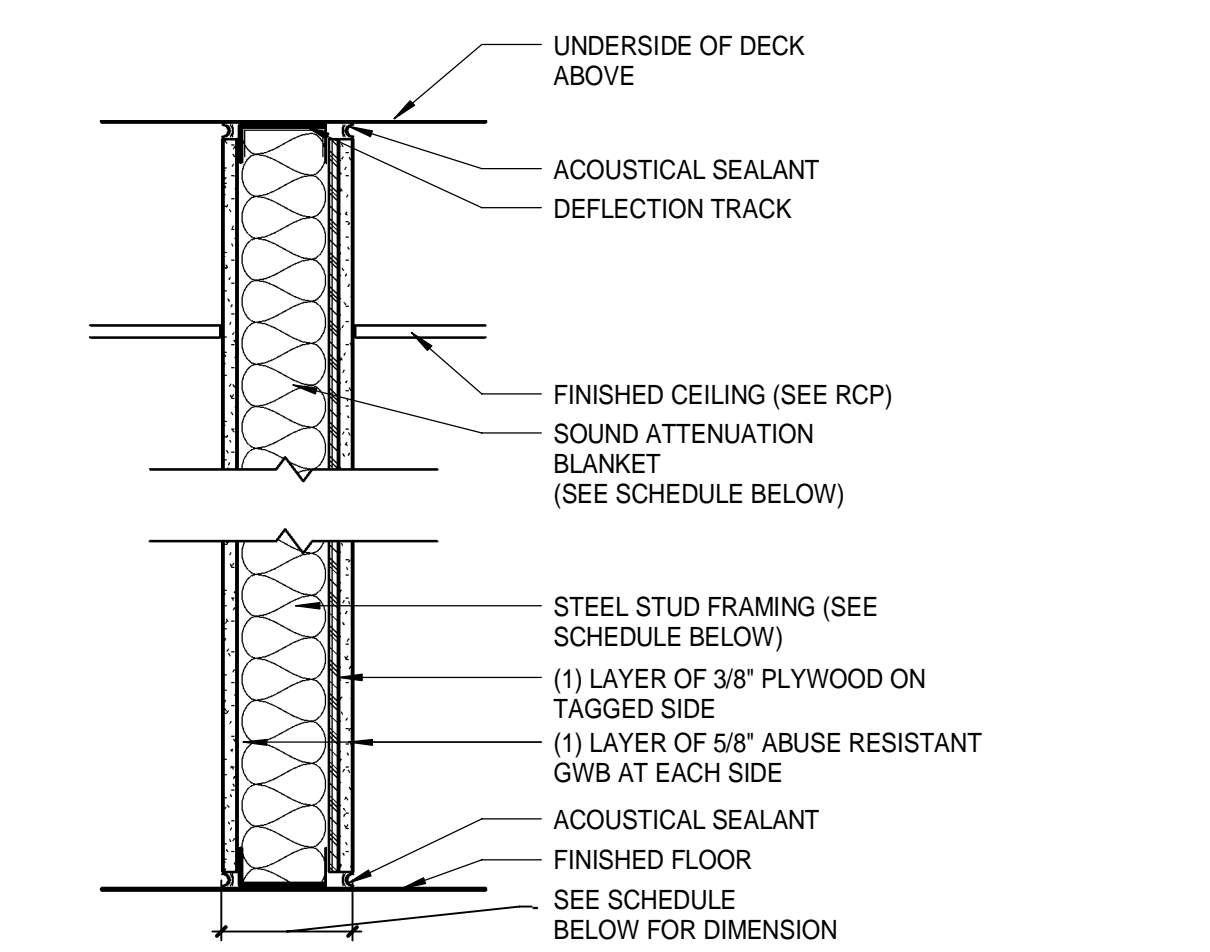
NOTES:
 1. REFER TO FLOOR PLAN FOR RATED WALLS.
 2. ACOUSTICAL SEALANT MAY BE USED IN PLACE OF FIRE/SMOKE SEALANT IF WALL IS NOT RATED.
 3. COMPLY WITH REQUIREMENTS OF UL SYSTEM HW-D-0224 (OR EQUAL) WHERE WALL IS INDICATED TO BE FIRE OR SMOKE RATED.
 4. TAPE AND CAULK ALL PENETRATIONS.



NOTES:
 1. REFER TO FLOOR PLAN FOR RATED WALLS.
 2. ACOUSTICAL SEALANT MAY BE USED IN PLACE OF FIRE/SMOKE SEALANT IF WALL IS NOT RATED.
 3. COMPLY WITH REQUIREMENTS OF UL SYSTEM HW-D-0218 (OR EQUAL) WHERE WALL IS INDICATED TO BE FIRE OR SMOKE RATED.
 4. TAPE AND CAULK ALL PENETRATIONS.

NOTES:
 1. REFER TO FLOOR PLAN FOR RATED WALLS.
 2. ACOUSTICAL SEALANT MAY BE USED IN PLACE OF FIRE/SMOKE SEALANT IF WALL IS NOT RATED.
 3. COMPLY WITH REQUIREMENTS OF UL SYSTEM HW-D-0388 (OR EQUAL) WHERE WALL IS INDICATED TO BE FIRE OR SMOKE RATED.
 4. TAPE AND CAULK ALL PENETRATIONS.

TOP OF WALL DETAILS (G1)
 3" = 1'-0"



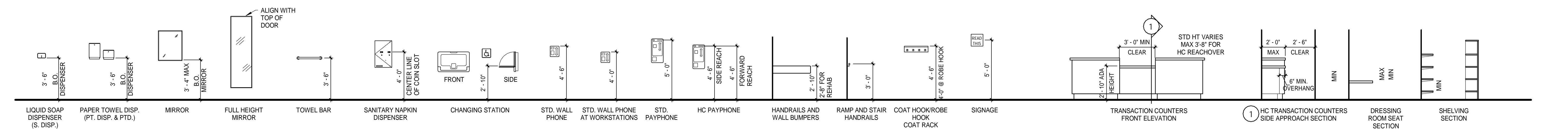
TYPE	STUD SIZE	PART. THICK.	SOUND ATTN. BLANKET	KEYED NOTES
Ⓟ	6"	7-5/8"	3"	N/A

TYPE	STUD SIZE	PART. THICK.	SOUND ATTN. BLANKET	KEYED NOTES
Ⓟ	6"	7-1/4"	3"	N/A

Ⓟ NON-RATED PARTITION INFILL
 SCALE: 1 1/2" = 1'-0"
 NOTE: CENTER INFILL IN EXISTING WALL OPENING.

Ⓟ NON-RATED PARTITION
 SCALE: 1 1/2" = 1'-0"

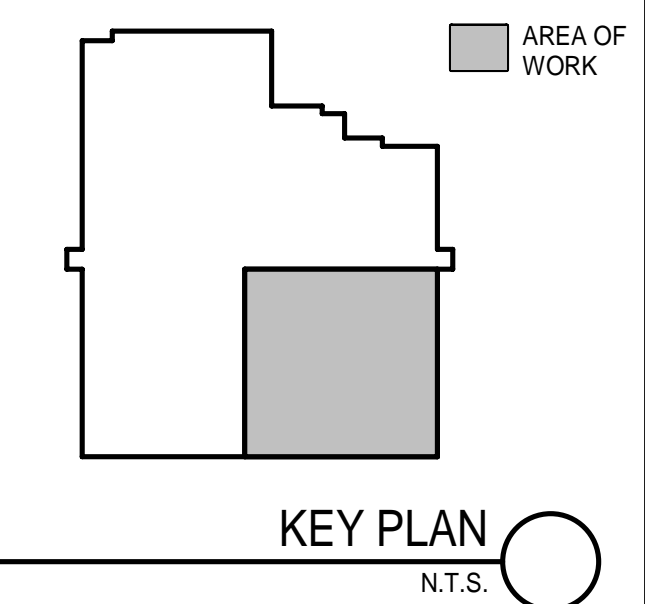
PARTITION TYPES (D1)
 1 1/2" = 1'-0"



STANDARD MOUNTING HEIGHTS FOR MISCELLANEOUS WALL-MOUNTED ACCESSORIES

STANDARD HEIGHTS FOR TRANSACTION COUNTER/ SHELVING/ SEATING

TYPICAL MOUNTING HEIGHTS (A1)
 1/4" = 1'-0"

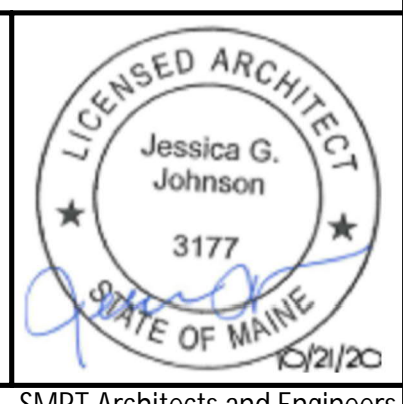


KEY PLAN
 N.T.S.

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
 10-21-20

CURRENT ISSUE STATUS:



SMRT Architects and Engineers
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MAINE STATE PRISON
 DORIS BUFFET HIGHER
 EDUCATION CENTER
 RENOVATIONS
 807 Cushing Rd. Warren, ME 04864

MOUNTING HEIGHTS, PARTITION
 TYPES, TOP OF WALL AND
 BUILDING DETAILS

SCALE: AS NOTED	PROJECT NO: 20560
PROJECT MANAGER: JGJ	JOB CAPTAIN: BLS
A/E OF RECORD: JGJ	DRAWN BY: BLS
SMRT FILE: G1002-20560	SHEET NO. G1002

CODE SUMMARY:

PROJECT SUMMARY:
THIS PROJECT INVOLVES A XXXX SF INTERIOR RENOVATION OF AN EXISTING PROGRAMS BUILDING (BUILDING 3) AT THE MAINE STATE PRISON IN WARREN, MAINE TO PROVIDE NEW CLASSROOM, LIBRARY AND ART ROOM SPACE.

- APPLICABLE CODES:**
- TABCO (MAINE UNIFORM BUILDING AND ENERGY CODE, INTERNATIONAL BUILDING CODE, IBC), 2015 EDITION (AMENDED JANUARY 23, 2018)
 - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), LIFE SAFETY CODE 101, 2018 EDITION
 - ADAAG (ADA ACCESSIBILITY GUIDELINES), 2010
 - IMC (INTERNATIONAL MECHANICAL CODE), 2015
 - UNIFORM PLUMBING CODE, 2015
 - NEC (NATIONAL ELECTRICAL CODE), 2017
 - IECC (INTERNATIONAL ENERGY CONSERVATION CODE), 2009 (AMENDED JANUARY 23, 2018)

- BUILDING USE:**
- BUSINESS (OFFICES)
 - ASSEMBLY (LECTURE, CHAPEL, GYMNASIUM, ACTIVITIES ROOMS, CLASSROOMS)

OCCUPANCY CLASSIFICATION:

- IBC: BUSINESS AND ASSEMBLY
NFPA: BUSINESS AND ASSEMBLY

CONSTRUCTION TYPE:

- IBC: II-B
NFPA: II (0,0,0)

PERMITTED BUILDING AREA: 37,800 GSF

ACTUAL BUILDING AREA: 36,600 GSF

RENOVATED BUILDING AREA: 3,253 GSF

PERMITTED HEIGHT: 5 STORIES/60' WITH PERMITTED INCREASE FOR PROVISION OF AN AUTOMATIC FIRE SUPPRESSION SYSTEM

BUILDING HEIGHT: 2 STORIES/32'

FIRE PROTECTION: FULLY SPRINKLERED THROUGHOUT IN ACCORDANCE WITH IBC 90X (SECTION 90X.X) AND NFPA 13

BUILDING ELEMENT FIRE RESISTANCE REQUIREMENTS:

EXTERIOR BEARING WALLS	0 HR
FIRE WALLS	2 HR BASED ON OCCUPANCY TYPE
FIRE SEPARATIONS	2 HR
SMOKE BARRIERS	1 HR
FIRE ENCLOSURES	2 HR
SHAFTS	2 HR
CORRIDORS	0 HR
INTERIOR BEARING WALLS/COLUMNS	0 HR
FLOORS	0 HR
ROOFS	0 HR

PROVIDE UL ASSEMBLIES AS FOLLOWS:

FLOORS/ROOFS	NO REQUIREMENT
BEARING WALLS	NO REQUIREMENT

FOR MASONRY, PROVIDE RATED ASSEMBLIES WHERE INDICATED THAT ARE CONSISTENT WITH THE REQUIREMENTS OF UL DESIGN U900 OR U906. REFER TO SPECIFICATIONS. SOLID GROUT WALLS AS REQUIRED TO PROVIDE AN EQUIVALENT THICKNESS OF NOT LESS THAN 4" THICKNESS FOR 2 HOUR PROTECTION.

EXISTING BUILDINGS (IEBC)

TOPIC	CODE SECTION	VALUE
CLASSIFICATION OF WORK	(501.1)	-
ADDITIONS	(402.1) & CHAP. 11	-
ALTERATIONS	(403.1) & CHAP. 7 & 9	LEVEL 2
REPAIRS	(404.1) & CHAP. 6	-
CHANGE OF OCCUPANCY	(407.1) & CHAP. 10	-
HISTORIC BUILDINGS	(408.1) & CHAP. 12	-
ACCESSIBILITY FOR EXIST. BLDGS	(410.1) & 1508.1	-
SEISMIC	(301.4)	-
EXISTING MATERIALS	(302.3, 401.2.1)	-
PERFORMANCE COMPLIANCE PATH	CHAP. 14	-
ENERGY REQUIREMENTS (IECC)	IECC CHAP. 5	-

OCCUPANCY

TOPIC	CODE SECTION	VALUE
OCCUPANCY CLASSIFICATION	(302.1)	ASSEMBLY (A,3)BUSINESS
PROPOSED CONSTRUCTION TYPE	(602.1)	II-B (EXISTING)
SPRINKLER RECD	(903.2)	YES
MAX STORIES PERMITTED	TABLE 504.4	-
ACTUAL STORIES	-	-
MAX ALLOWABLE HEIGHT	TABLE 504.3	The vertical distance from grade plane to the average height of the highest roof
ACTUAL HEIGHT	-	-
MAX ALLOWABLE AREA	TABLE 506.2	Surface
FRONTAGE INCREASE	(506.3)	0
TOTAL ALLOWABLE AREA PER FLOOR	-	-
ACTUAL MAX BUILDING AREA	-	From Plans
FIRE APPARATUS ACCESS	(F503) FIRE CODE	Y/N
ACCESSIBILITY	(1101) & ANSI 117.1	-

CONSTRUCTION TYPE

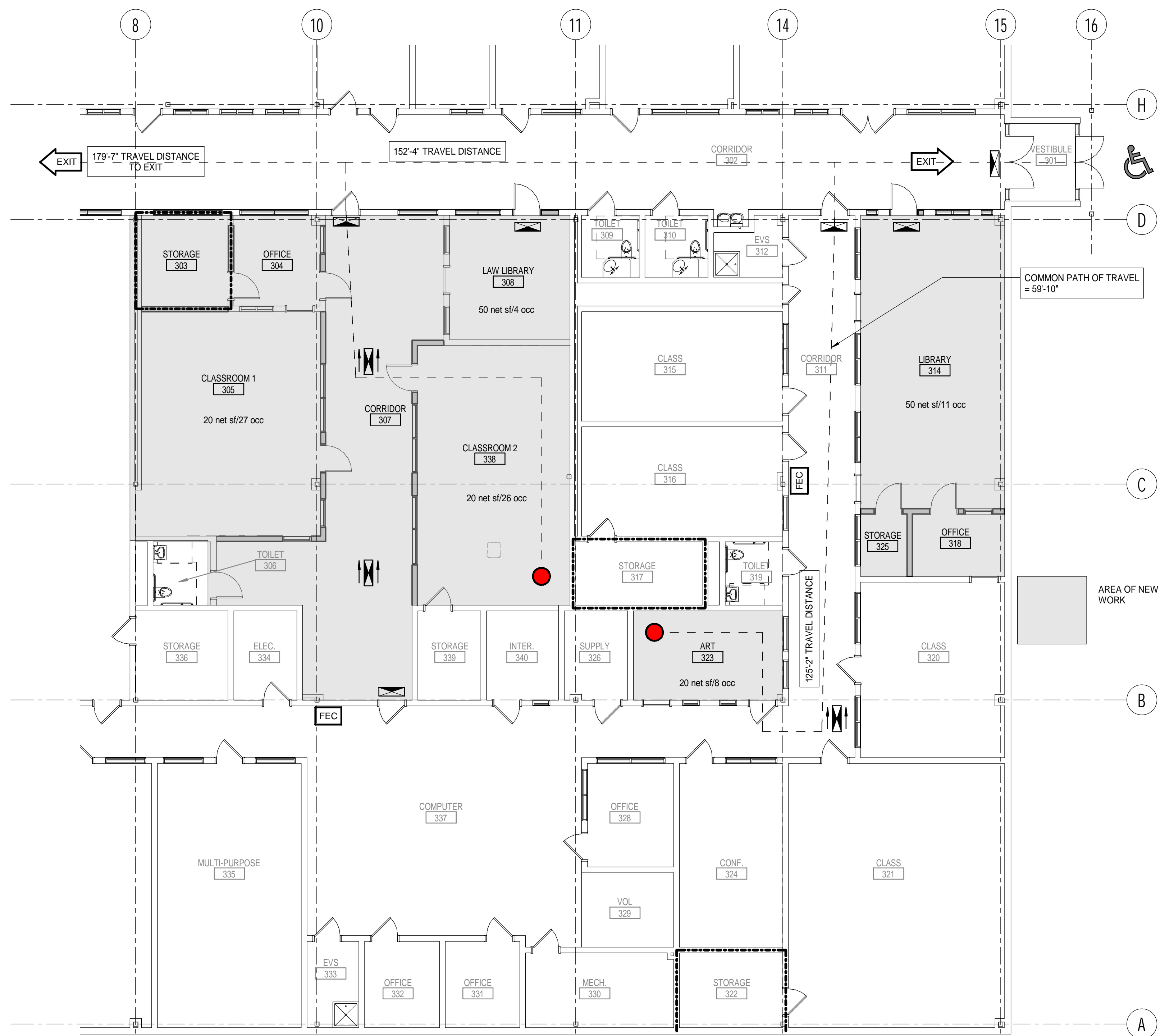
TOPIC	CODE SECTION	VALUE
PROPOSED CONSTRUCTION TYPE	(From above)	II-B
BLDG ELEMENT	-	FIRE RATING (HRS)
STRUCTURAL FRAME, INCL. COLUMNS, GIRDERS, TRUSSES	TABLE 601	0
BEARING WALLS (EXTERIOR)	TABLE 601	0
BEARING WALLS (INTERIOR)	TABLE 601	0
NON-BEARING WALLS (EXTERIOR)	TABLE 601	0
NON-BEARING WALLS (INTERIOR)	TABLE 601	0
FLOOR CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS	TABLE 601	-
ROOF CONSTRUCTION, INCL. SUPPORTING BEAMS & JOISTS	TABLE 601	-
SHAFTS	(713.4)	0
FIRE WALLS (IF RECD)	TABLE 706.4	0
FIRE BARRIERS	TABLE 707.3.10	0
FIRE PARTITIONS	708.3	0
SMOKE BARRIERS	709.3	0
SMOKE PARTITIONS	710.3	0
OCCUPANCY SEPARATION	TABLE 508.4	0
INCIDENTAL SEPARATION	TABLE 509	0

EGRESS

TOPIC	CODE SECTION	VALUE
# OF EXITS RECD	(1006.3.1)	2
COMMON PATH OF TRAVEL	(TABLE 1006.2.1)	75'
ACCESSIBLE MEANS OF EGRESS	1009.1	Not Req'd in Existing Bldg
MAX. TRAVEL DISTANCE	TABLE 1017.2	250'
CORRIDOR RATING	(1020.1)	0
CORRIDOR WIDTH	(TABLE 1020.2)	44"
STAIR WIDTH	(1005.3.1 & 1009.3)	-
DEAD END	(1020.4)	20'
AREA OF REFUGE RECD	1009.4	-
EXIT ENCLOSURE RATING	TABLE 1023.2	-
AMBULANCE ELEVATOR CAB	3002.4	-
FIRE EXTINGUISHERS	F906.1 FIRE CODE	-

PLUMBING

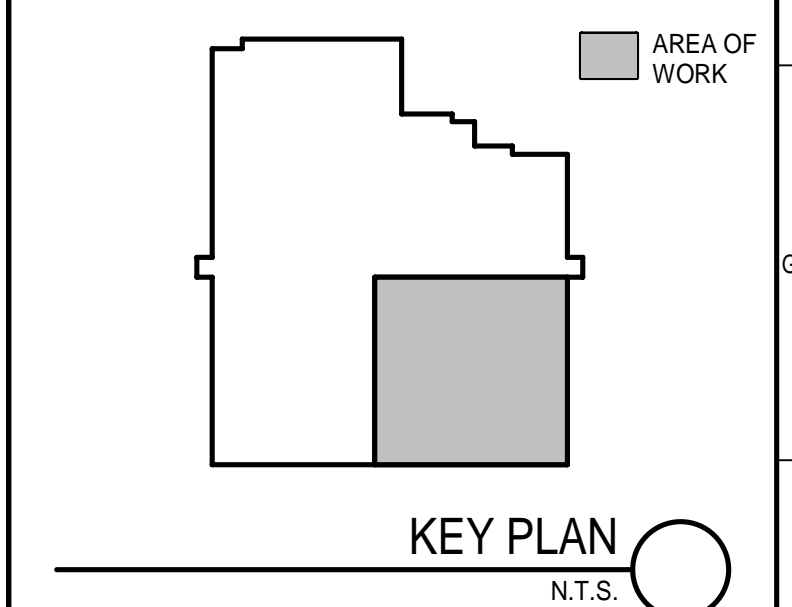
TOPIC	CODE SECTION	VALUE
OCCUPANCY CLASSIFICATION (from above)	-	-
SEPARATE FACILITIES	(2902.2)	-
50/50 SPLIT?	(2902.3)	-
# OF BLDG OCCUPANTS (from above)	-	-
WATER CLOSETS	TABLE 2902.1	-
MALE	TABLE 2902.1	-
FEMALE	TABLE 2902.1	-
LAVATORIES	TABLE 2902.1	-
MALE	TABLE 2902.1	-
FEMALE	TABLE 2902.1	-
DRINKING FOUNTAINS	TABLE 2902.1	-
BATHUBS	TABLE 2902.1	-
OTHERS	TABLE 2902.1	-
SERVICE SINK(S)	TABLE 2902.1	-



LEVEL 1 - LIFE SAFETY PLAN (E1)
1/8" = 1'-0"

LIFE SAFETY LEGEND:

- ROOM TAG: ROOM IDENTIFIER, ROOM AREA, ROOM OCCUPANT LOAD FACTOR, NO. OF OCCUPANTS
- STAIR OR DOOR EGRESS TAG: STAIR OR DOOR IDENTIFIER, STAIR OR DOOR CLEAR WIDTH, EXIT CAPACITY FACTOR, EXIT CAPACITY, ACTUAL OCCUPANT LOAD
- 1-HOUR BARRIER, 2-HOUR BARRIER
- TRAVEL DISTANCE TAG, TRAVEL DISTANCE LINE
- MRP: MOST REMOTE POINT OF EGRESS ACCESS
- 100: EXIT ACCESS TRAVEL DISTANCE TO AN EXIT (IN FEET)
- EXIT: PATH INTO EXIT
- ACCESSIBLE ENTRY/EGRESS
- CIRCULATION PATH
- FS: FIRE SHUTTER
- FE: FIRE EXTINGUISHER, WALL MOUNT
- FEC: FIRE EXTINGUISHER CABINET, SEMI-RECESSED
- EGRESS DISTANCE START POINT
- F: FIRE ALARM VISIBLE ONLY NOTIFICATION INDICATOR
- F: FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION INDICATOR
- F: FIRE ALARM PULL STATION
- EXIT SIGN



REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

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CURRENT ISSUE STATUS:

PROJECT NORTH:

MAINE STATE PRISON
DORIS BUFFET HIGHER
EDUCATION CENTER
RENOVATIONS
807 Cushing Rd. Warren, ME 04864

CODE COMPLIANCE AND LIFE SAFETY PLAN

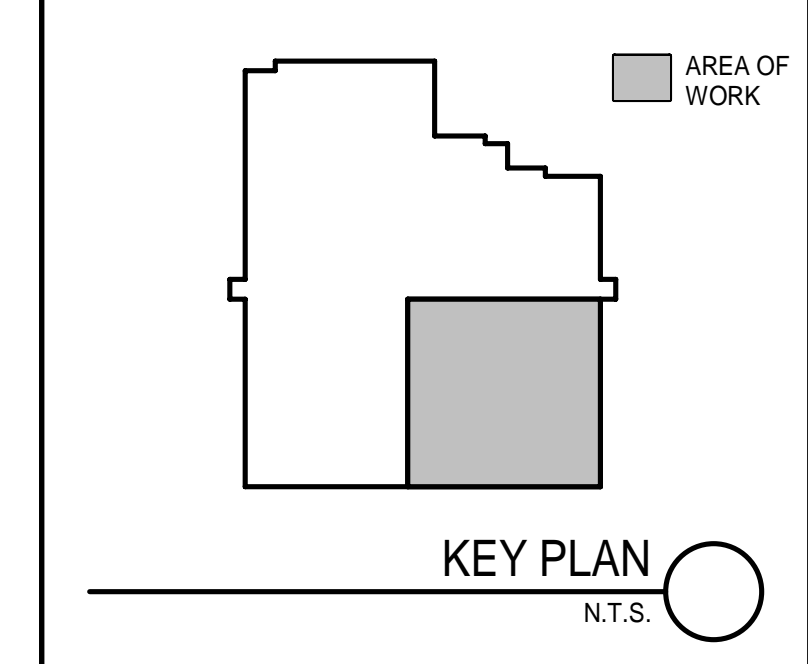
SHEET TITLE:
0' 1/4" 1/2" 1" 2" 3"
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	20560
A/E OF RECORD:	JGJ	G1003	
JOB CAPTAIN:	BLS		
DRAWN BY:	BLS		
SMRT FILE:	G1003-20560	SHEET No.	



LEVEL 1 - OCCUPANCY PLAN (E1)
1/8" = 1'-0"

- LIFE SAFETY LEGEND:**
- ROOM TAG
 - ROOM IDENTIFIER
 - ROOM AREA
 - ROOM OCCUPANT LOAD FACTOR
 - NO. OF OCCUPANTS
 - STAIR, OR DOOR EGRESS TAG
 - STAIR OR DOOR IDENTIFIER
 - STAIR OR DOOR CLEAR WIDTH
 - EXIT CAPACITY FACTOR
 - EXIT CAPACITY
 - ACTUAL OCCUPANT LOAD
 - 1-HOUR BARRIER
 - 2-HOUR BARRIER
 - TRAVEL DISTANCE TAG
 - TRAVEL DISTANCE LINE
 - MOST REMOTE POINT OF EGRESS ACCESS (MRP)
 - EXIT ACCESS TRAVEL DISTANCE TO AN EXIT (IN FEET)
 - PATH INTO EXIT
 - ACCESSIBLE ENTRY/EGRESS
 - CIRCULATION PATH
 - FIRE SHUTTER (FS)
 - FIRE EXTINGUISHER, WALL MOUNT (FE)
 - FIRE EXTINGUISHER CABINET, SEMI-RECESSED (FEC)
 - EGRESS DISTANCE START POINT
 - FIRE ALARM VISIBLE ONLY NOTIFICATION INDICATOR (F)
 - FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION INDICATOR (FK)
 - FIRE ALARM PULL STATION (F)
 - EXIT SIGN



REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
10-21-20

CURRENT ISSUE STATUS:

PROJECT NORTH:

SMRT Architects and Engineers
75 Washington Ave.
Portland, Maine 04101
1.877.700.7678
www.smrinc.com

**MAINE STATE PRISON
DORIS BUFFET HIGHER
EDUCATION CENTER
RENOVATIONS**
807 Cushing Rd. Warren, ME 04864

OCCUPANCY PLAN

SHEET TITLE:

SCALE: AS NOTED

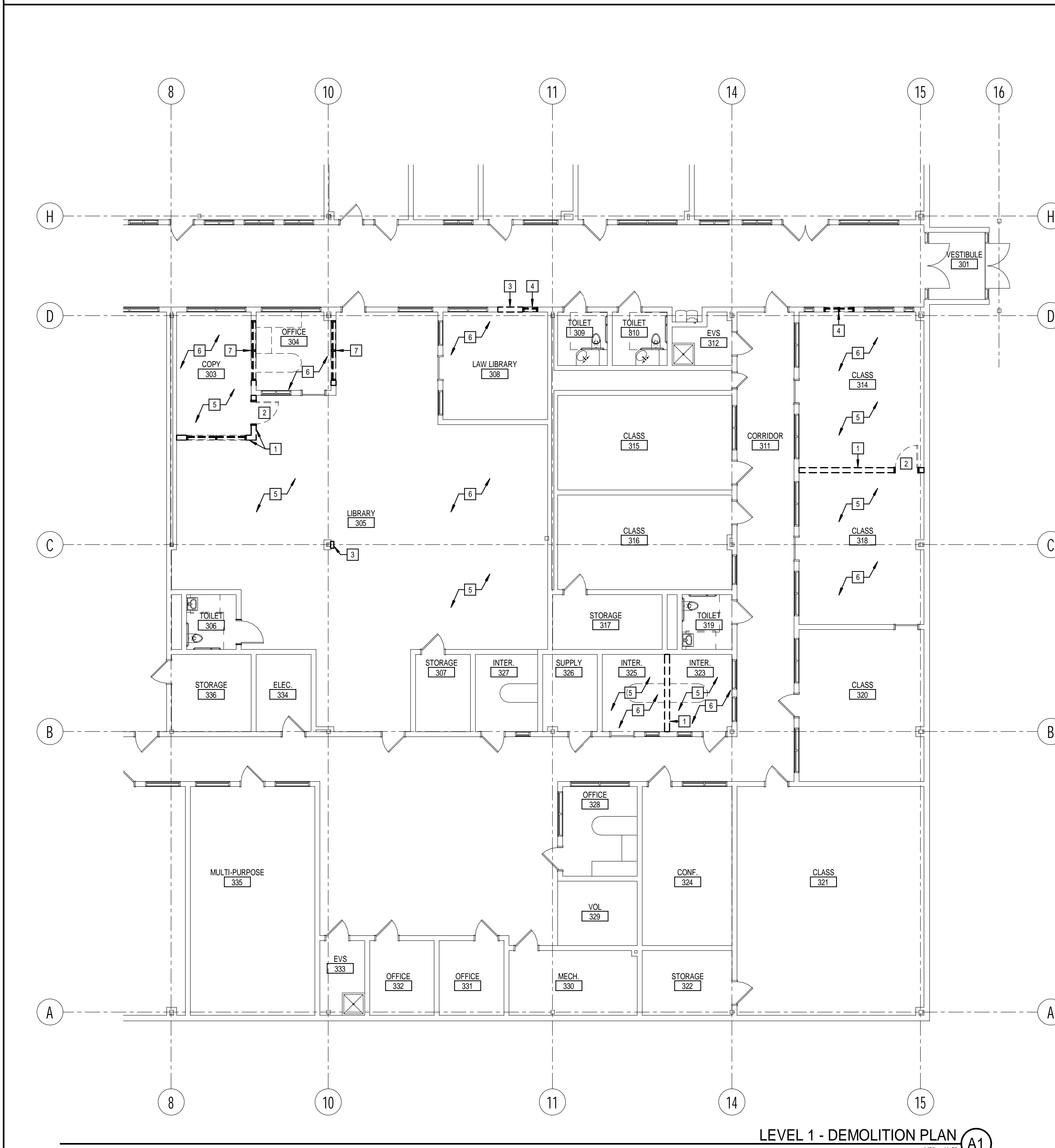
PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
A/E OF RECORD:	JGJ	G1004	
JOB CAPTAIN:	BLS		
DRAWN BY:	BLS		
SMRT FILE:	G1004-20560	SHEET No.:	

DEMOLITION NOTES:

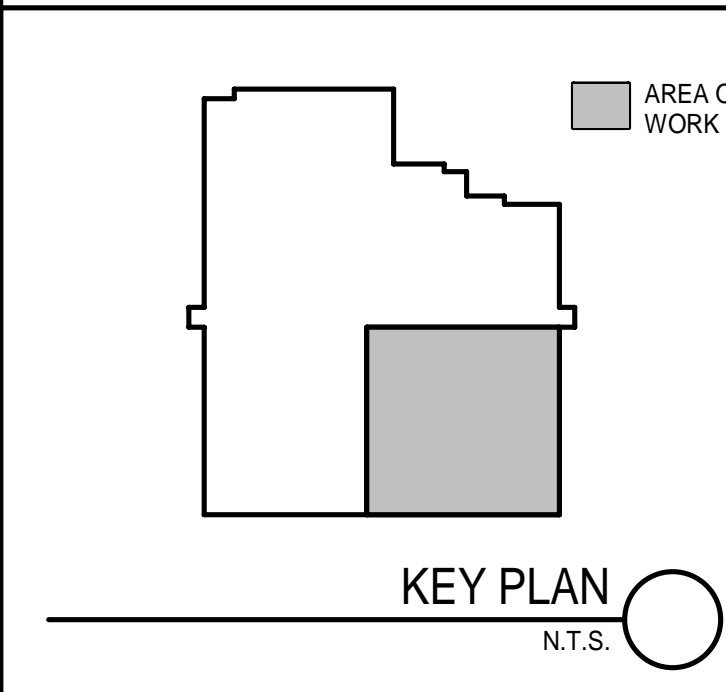
- COORDINATE EXTENT OF DEMOLITION WITH LOCATIONS OF PARTITIONS DESCRIBED ON PLANS AND WITH LOCATIONS OF FINISHES NOTED AS EXISTING TO REMAIN.
- ANY WALL, PARTITION OR SURFACE DISTURBED BECAUSE OF NEW WORK OR DEMOLITION SHALL BE PATCHED AND FINISHED CONTINUOUSLY TO THE NEAREST CORNER UNLESS NOTED OTHERWISE. MATCH EXISTING ADJACENT CONSTRUCTION FINISHES, CONTINUITY AND FIRE RATINGS UNLESS NOTED OTHERWISE.
- PROTECT ALL FINISHES, MATERIALS AND EQUIPMENT NOTED AS EXISTING TO REMAIN. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL FINISHES, MATERIALS AND EQUIPMENT DAMAGED DURING CONSTRUCTION.
- DIMENSIONS INDICATED WITH A ± ARE EXISTING CONDITION AND NEED TO BE VERIFIED IN THE FIELD.
- CONTRACTOR TO HOLD A PRE-DEMOLITION MEETING WITH OWNER, CONSTRUCTION MANAGER, SUB CONTRACTORS, ETC. PRIOR TO BEGINNING OF DEMOLITION WORK TO REVIEW POLICIES, NOISE CONTROL MEASURES ETC.
- CLEARLY IDENTIFY AND TAG MECHANICAL, PLUMBING AND ELECTRICAL FIXTURES OR EQUIPMENT THAT ARE STILL IN USE PRIOR TO DEMOLITION TO AVOID ACCIDENTAL REMOVAL.
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR THE SCOPE OF DEMOLITION IN THOSE DISCIPLINES.

KEYNOTES - DEMOLITION:

- | TAG | DESCRIPTION |
|-----|---|
| 1 | REMOVE EXISTING WALL IN ITS ENTIRETY FROM FLOOR TO STRUCTURE AS INDICATED BY DASHED LINE. PRIOR TO REMOVAL, IDENTIFY IF WALL IS LOAD BEARING. IF FOUND TO BE BEARING WALL, NOTIFY ARCHITECT IMMEDIATELY. |
| 2 | REMOVE EXISTING DOOR, FRAME AND HARDWARE COMPLETE. |
| 3 | REMOVE PORTION OF EXISTING WALL TO ALLOW FOR NEW CONSTRUCTION. |
| 4 | REMOVE WINDOW AND FRAME COMPLETE. |
| 5 | ADD. ALT #1: REMOVE CEILING SYSTEM COMPLETE. EXISTING LIGHT FIXTURES, CAMERAS AND SPEAKERS TO BE SALVAGED FOR REINSTALLATION. |
| 6 | BASE BID: EXISTING CEILING TILES AND GRID TO REMAIN AS IS. REPAIR/REPLACE TILES AND GRID AS REQUIRED FOR NEW WORK. EXISTING LIGHTS AND MECHANICAL TO BE SALVAGED FOR REUSE U.N.O. SEE ELEC. AND MECH. DRAWINGS FOR MORE INFORMATION. |
| 8 | REMOVE FLOOR FINISH MATERIAL (IF ANY) AND BASE. PREPARE SURFACE FOR NEW FINISHES AS REQUIRED BY FINISH SCHEDULE AND SPECIFICATIONS. |
| 7 | REMOVE WINDOW AND FRAME COMPLETE. SALVAGE FOR RE-INSTALLATION. REFER TO FLOOR PLAN FOR NEW LOCATIONS. |

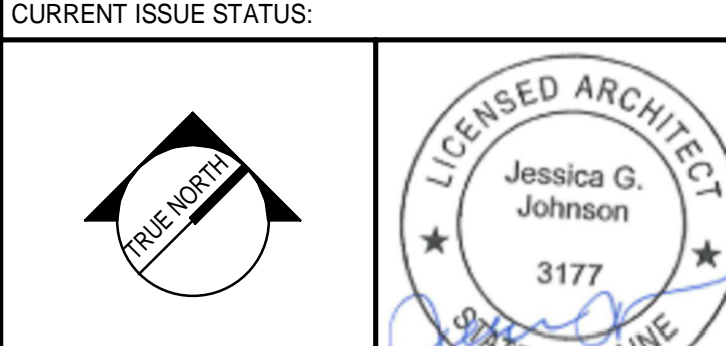


LEVEL 1 - DEMOLITION PLAN
1/8" = 1'-0" (A1)



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807 Cushing Rd. Warren, ME 04864
DEMOLITION PLAN

SHEET TITLE:

SCALE: AS NOTED

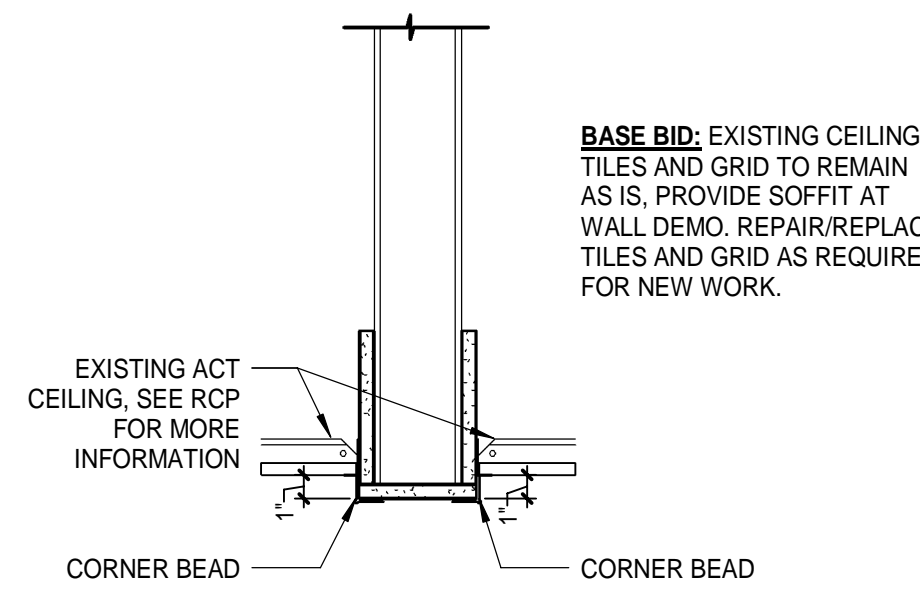
PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
AVE OF RECORD:	JGJ		
JOB CAPTAIN:	BLS		
DRAWN BY:	BLS		
SMRT FILE:	AD100-20560	SHEET NO.:	AD100

CEILING NOTES:

- SEE G1001 FOR GENERAL PROJECT NOTES.
- SEE FINISH SCHEDULE FOR CEILING AND CEILING GRID TYPES.
- EXCEPT WHERE INDICATED, CENTER CEILING GRIDS IN ROOMS. USE HALF TILES OF GREATER @ PERIMETERS WHEN POSSIBLE.
- ALIGN CEILING ITEMS AS SHOWN, WITH COMMON CENTERLINES TYPICALLY. CENTER ITEMS IN CEILING, OR IN AREAS UNLESS INDICATED OTHERWISE.
- WHERE TEGULAR OR BEVELED TILE IS USED, PAINT ALL CUT EDGES TO MATCH.
- CAULK JOINT BETWEEN CEILING GRID (WALL ANGLE) AND WALL WHERE GAPS ARE LARGER THAN 1/8" OR GREATER.
- PROVIDE ACCESS PANELS AS REQUIRED IN GWB CEILINGS FOR ACCESS AS REQUIRED BY ALL TRADES.
- FIRE SPRINKLERS SHALL BE CENTERED IN CEILING TILE OR HALF TILE AS SHOWN. FIRE SPRINKLERS SHALL BE LOCATED IN ALIGNMENT WITH OTHER CEILING ITEMS AND SHALL BE PLACED IN COORDINATION WITH LIGHT FIXTURE POSITIONS INDICATED, TYPICAL.
- FIRE SPRINKLERS ARE SHOWN FOR COORDINATION PURPOSES ONLY. ADDITIONAL SPRINKLER HEADS MAY BE REQUIRED FOR CODE COMPLIANCE, AS DETERMINED BY THE FIRE PROTECTION DESIGNER. SPRINKLERS ARE NOT SHOWN IN ALL AREAS WHERE REQUIRED. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE AND FULLY CODE COMPLIANT SYSTEM, INCLUDING HEADS NOT INDICATED IN THIS DRAWING. SIDEWALL MOUNT SPRINKLER HEADS UNDER BALCONIES ARE NOT SHOWN IN THE CEILING PLANS.
- SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- WHERE ARCHITECTURAL DRAWINGS DEPICT MECHANICAL OR ELECTRICAL ITEMS OR EQUIPMENT (LIGHTS, DIFFUSERS, ETC.) INSTALLATION OF SUCH ITEMS SHALL BE COORDINATED WITH EACH RESPECTIVE TRADE SUB-CONTRACTOR.
- WHERE DRAWINGS DO NOT ACCESS INSTALLATION METHODOLOGY, THE CONTRACTOR SHALL BE BOUND TO PERFORM IN STRICT COMPLIANCE WITH THE MANUFACTURER'S SPECIFICATIONS, AND STANDARD INDUSTRY STANDARDS.

CEILING LEGEND:

- 2x2 CEILING TILE AND GRID
- 2x4 CEILING TILE AND GRID
- GWB CEILING
- WOOD CEILING
- DOWN LIGHT
- 2x2 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- 1x4 LIGHT FIXTURE
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- LINEAR DIFFUSER



BASE BID SOFFIT DETAIL L10
1/12" = 1'-0"

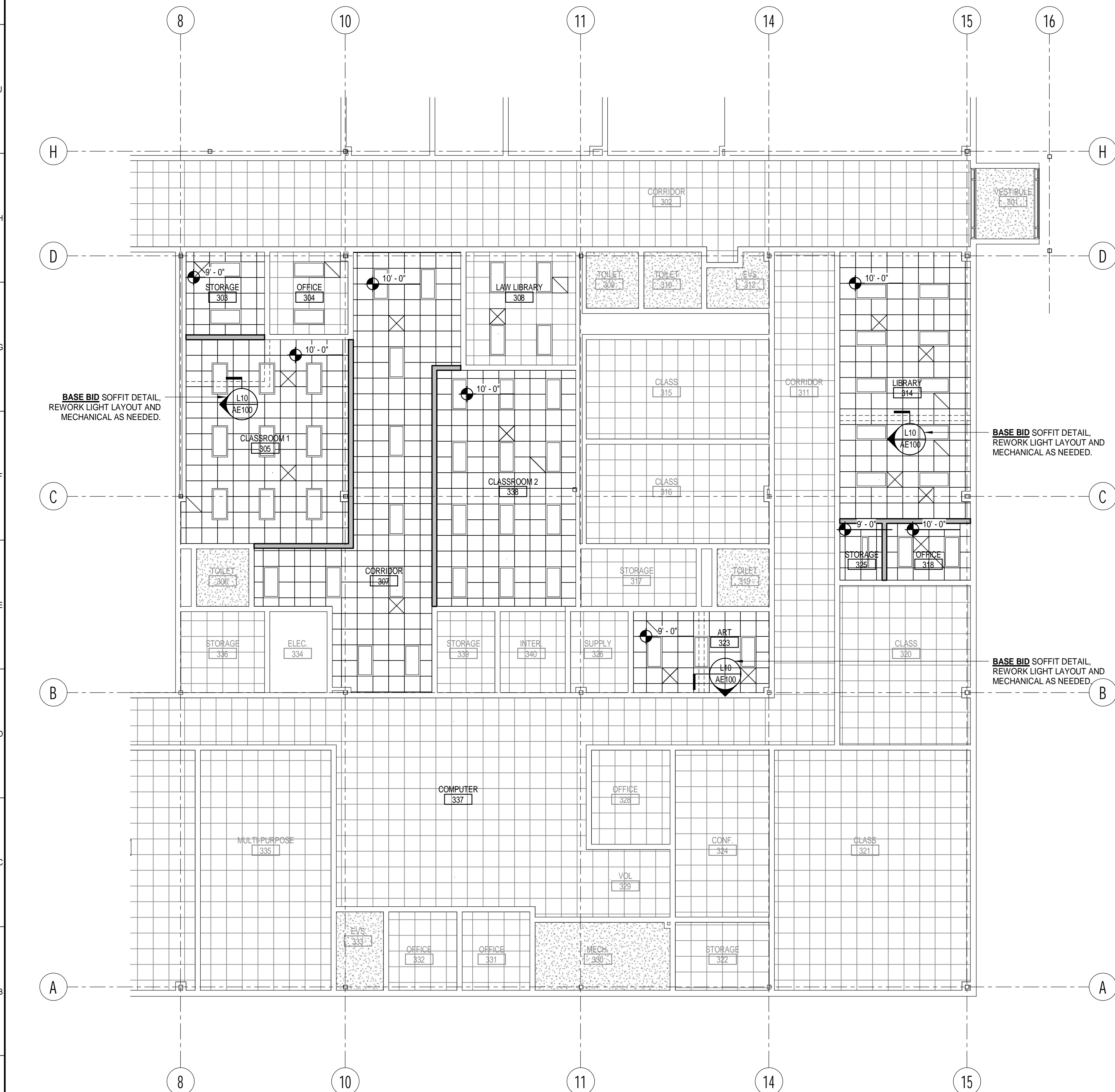
PLAN NOTES:

- SEE G1001 FOR GENERAL PROJECT NOTES, LEGENDS AND ABBREVIATIONS.
- SEE G1002 FOR GENERAL MOUNTING HEIGHTS, TOP OF WALL DETAILS AND PARTITION TYPES.
- CONTRACTOR IS RESPONSIBLE FOR REVIEWING CODE COMPLIANCE PLANS AND NOTIFYING THE ARCHITECT OF CONFLICTS BETWEEN WHAT IS IN THE FIELD AND ON THE CODE DOCUMENTS.
- DIMENSIONS ARE FACE OF CONCRETE, FACE OF MASONRY AND CENTERLINE OF STUD, UNLESS NOTED OTHERWISE.
- DOOR JAMBS (HINGE SIDE) SHALL BE 6" FROM CORNER IN STUD PARTITIONS AND 8" FROM CORNER IN MASONRY PARTITIONS UNLESS NOTED OTHERWISE.
- REFER TO DETAILS FOR ADDITIONAL DIMENSIONING INFORMATION.
- REFER TO ENLARGED PLANS FOR PARTITION TYPES AND DIMENSIONS IN AREAS WHICH ARE DETAILED AT A LARGER SCALE.
- FURNITURE AND OWNER PROVIDED EQUIPMENT ARE INDICATED BY DASHED LINE TYPE.
- CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF OWNER PROVIDED EQUIPMENT INCLUDING BUT NOT LIMITED TO DIMENSIONAL INFORMATION AND MECHANICAL, ELECTRICAL AND PLUMBING REQUIREMENTS.

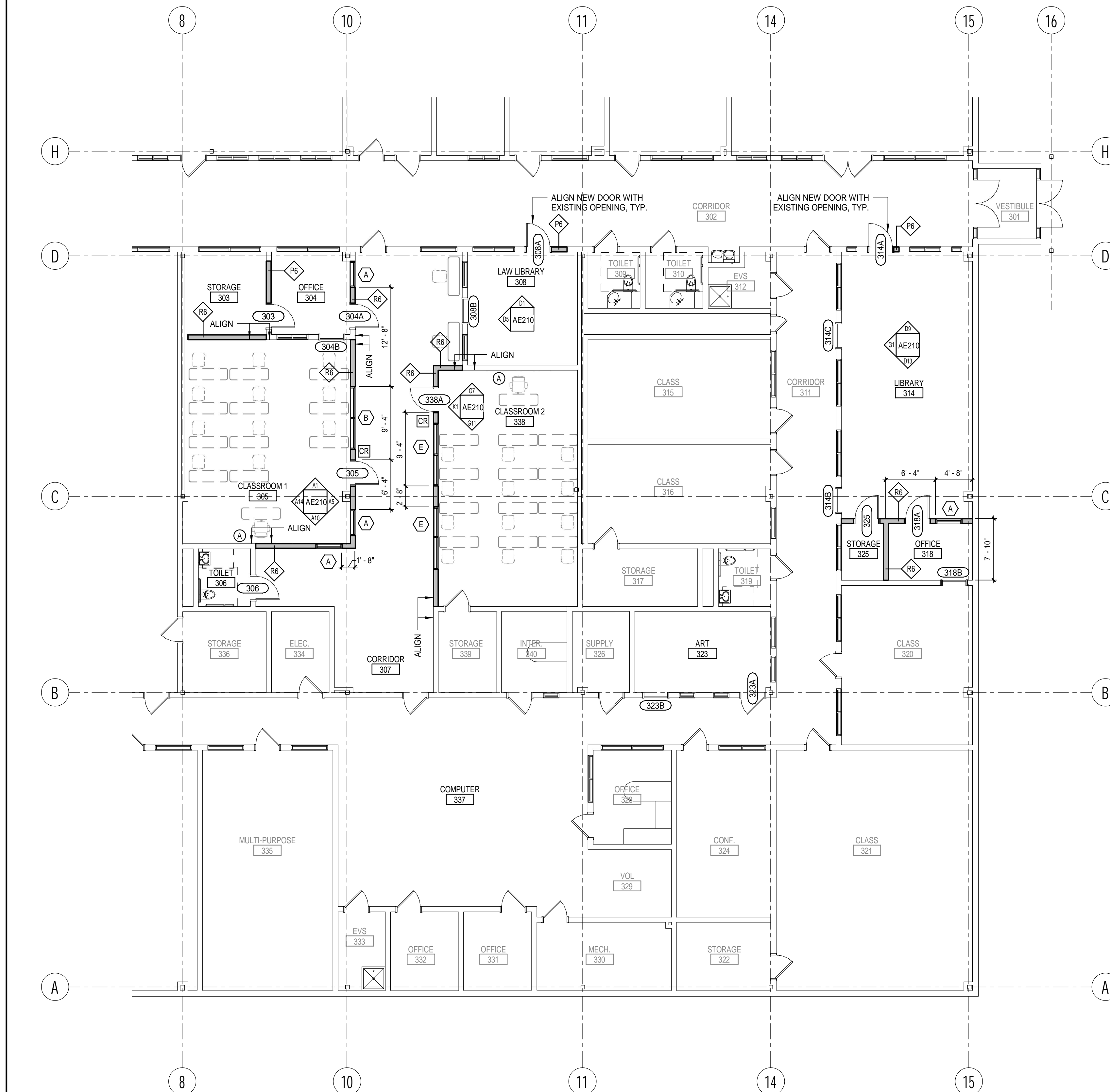
ACCESSORY LEGEND

TAG	DESCRIPTION	PROVIDE / INSTALL
(A)	PROJECTOR SCREEN	O/C

- NOTES:
O = OWNER
C = CONTRACTOR
V = VENDOR



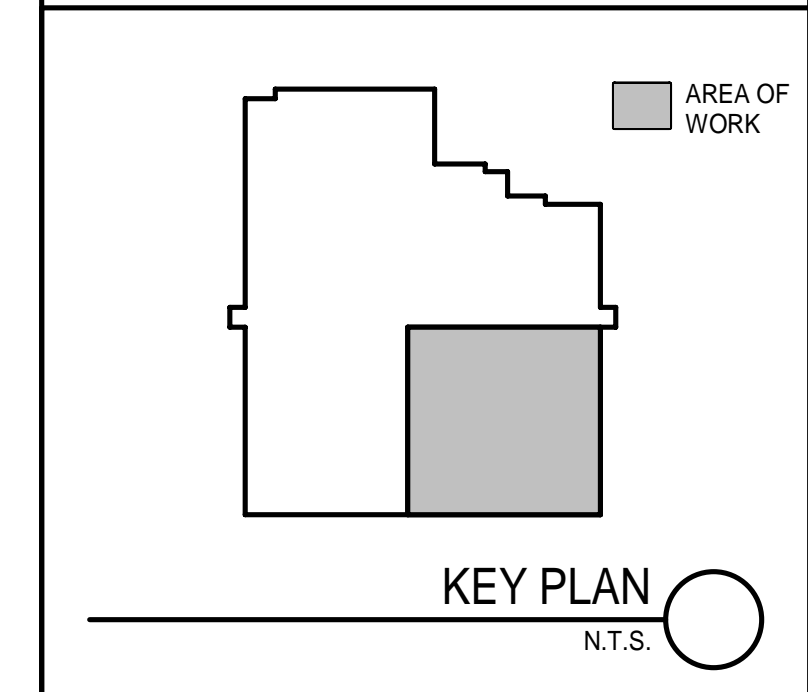
LEVEL 1 - REFLECTED CEILING PLAN - ADD ALTERNATE #1
1/8" = 1'-0" A10



LEVEL 1 - FLOOR PLAN A1
1/8" = 1'-0"

ADD ALTERNATES:

- ADD ALT. #1:** PROVIDE NEW CEILING TILES AND GRID, SEE REFLECTED CEILING PLAN ON AE100 FOR ADDITIONAL INFORMATION.
- BASE BID:** EXISTING CEILING TILES AND GRID TO REMAIN AS IS. REPAIR/REPLACE TILES AND GRID AS REQUIRED FOR NEW WORK. EXISTING LIGHTS AND MECHANICAL TO BE SALVAGED FOR REUSE U.N.O. SEE ELEC. AND MECH. DRAWINGS FOR MORE INFORMATION.



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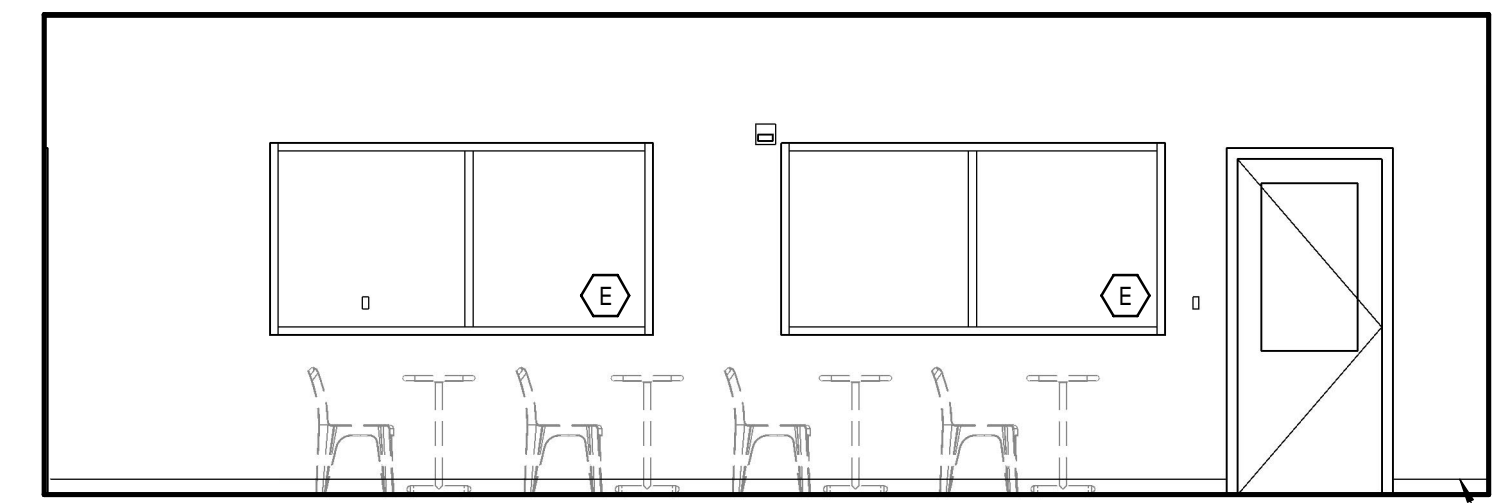
MAINE STATE PRISON DORIS BUFFET HIGHER EDUCATION CENTER RENOVATIONS
807 Cushing Rd. Warren, ME 04864

FLOOR AND REFLECTED CEILING PLAN

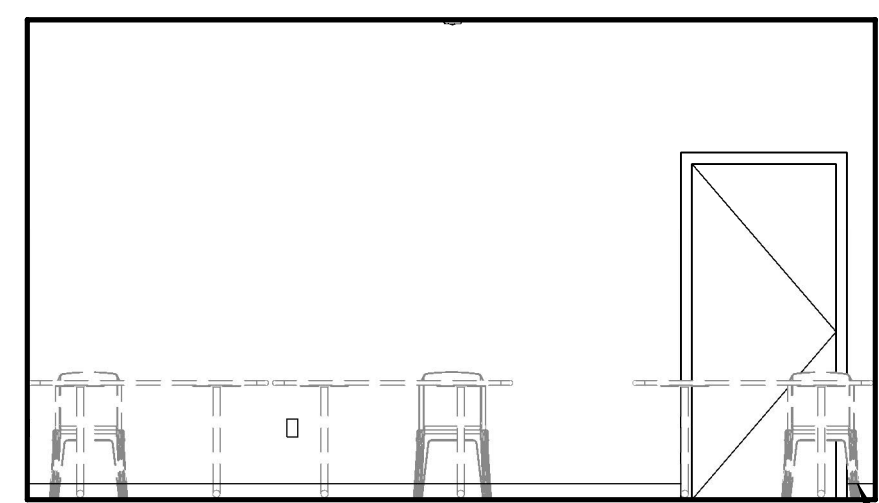
SHEET TITLE:
0' 1/4" 1/2" 1" 2" 3"

SCALE: AS NOTED

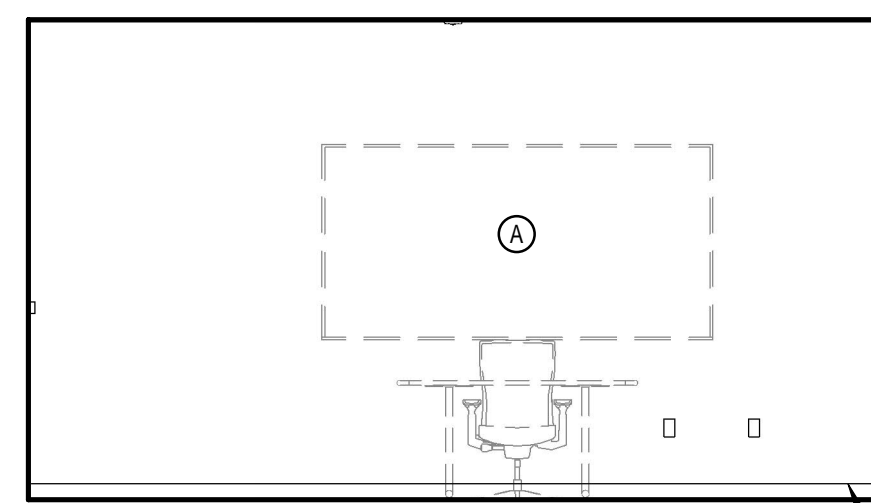
PROJECT MANAGER: JGJ	PROJECT NO: 20560
AVE OF RECORD: JGJ	
JOB CAPTAIN: BLS	
DRAWN BY: BLS	
SMRT FILE: AE100-20560	SHEET NO. AE100



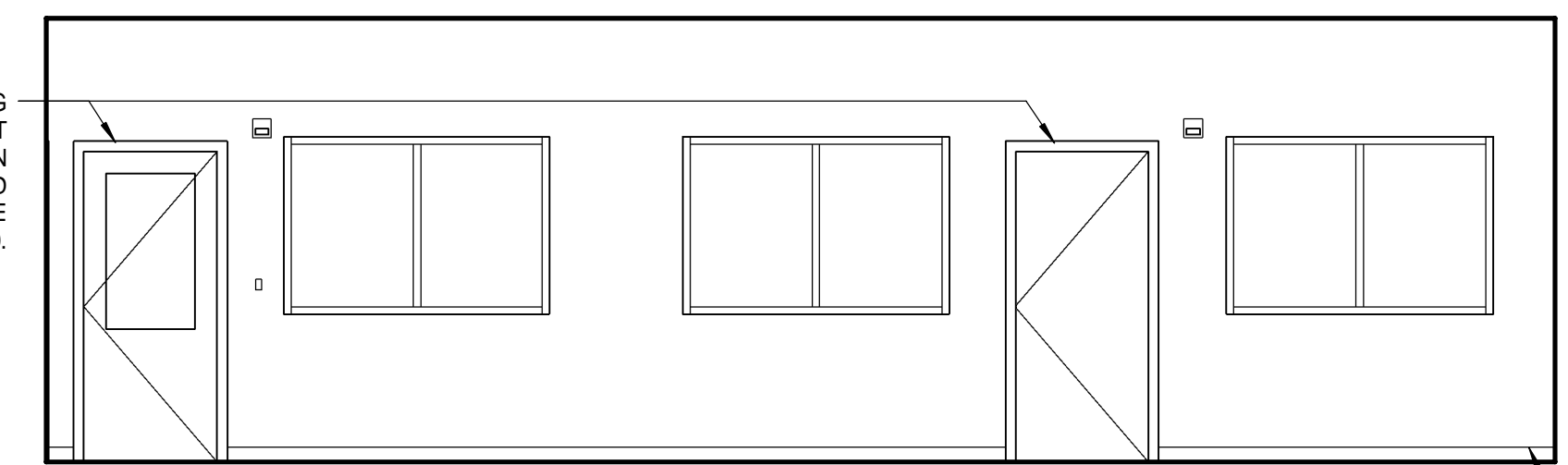
INTERIOR ELEVATION - CLASS 338 (K1)
1/4" = 1'-0"



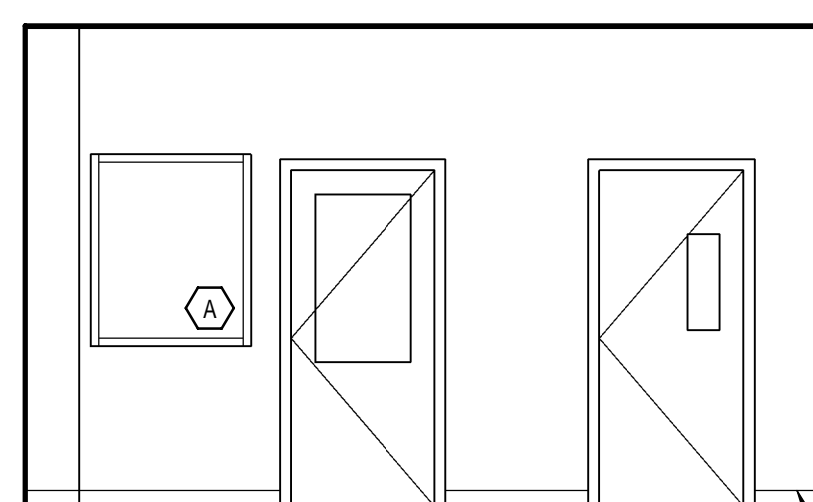
INTERIOR ELEVATION - CLASS 338 (G11)
1/4" = 1'-0"



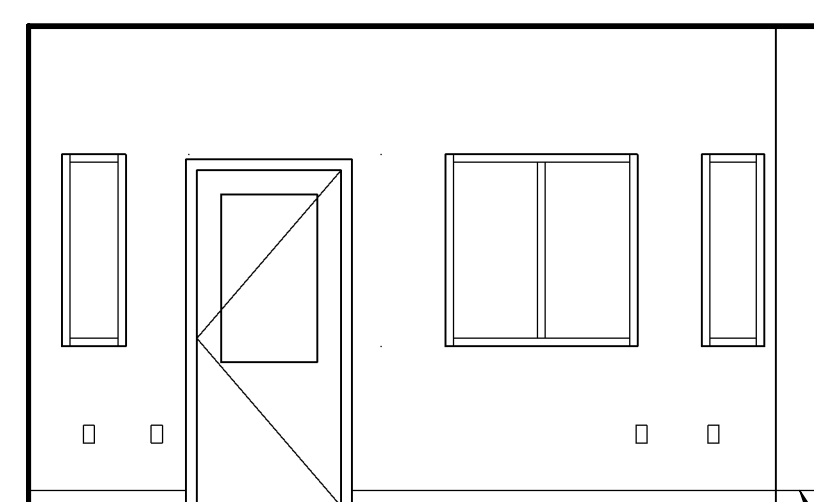
INTERIOR ELEVATION - CLASS 338 (G7)
1/4" = 1'-0"



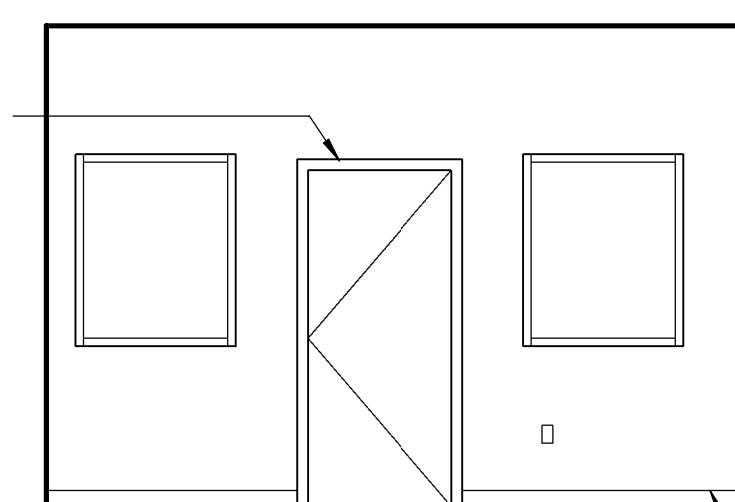
INTERIOR ELEVATION - LIBRARY 314 (G1)
1/4" = 1'-0"



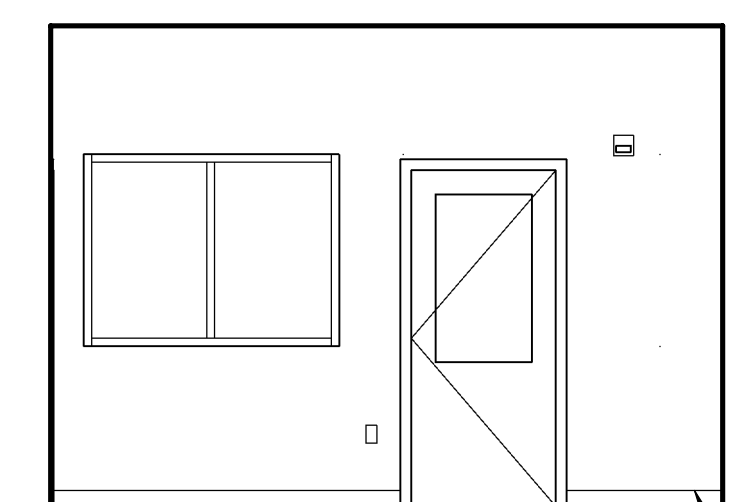
INTERIOR ELEVATION - LIBRARY 314 (D13)
1/4" = 1'-0"



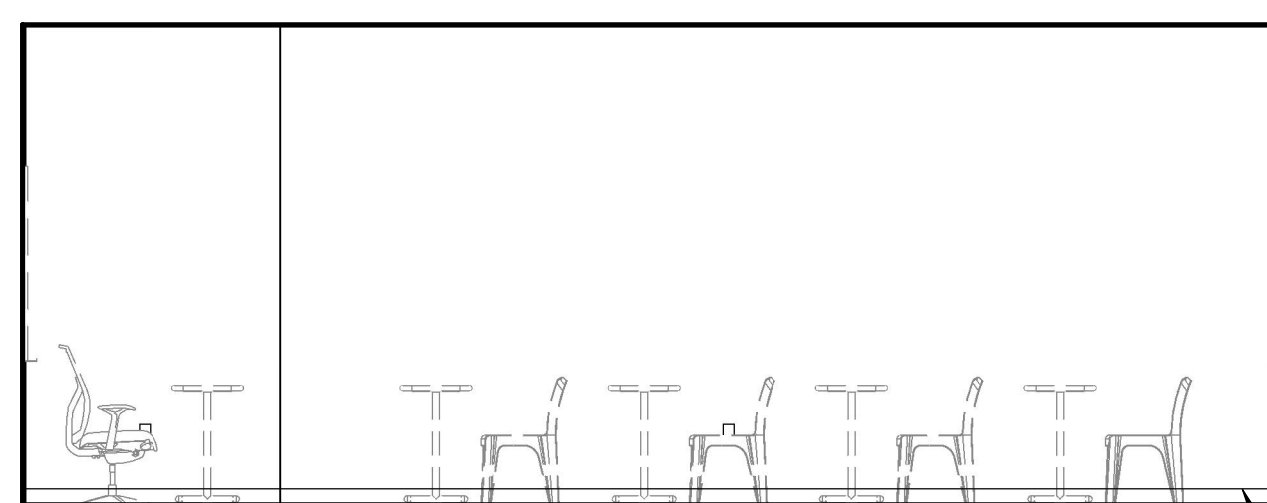
INTERIOR ELEVATION - LIBRARY 314 (D9)
1/4" = 1'-0"



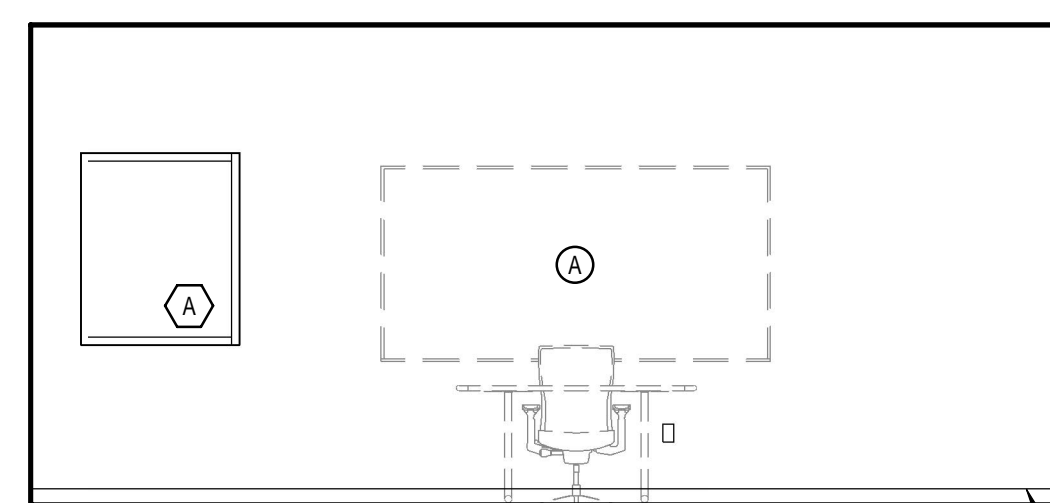
INTERIOR ELEVATION - LAW LIBRARY 308 (D5)
1/4" = 1'-0"



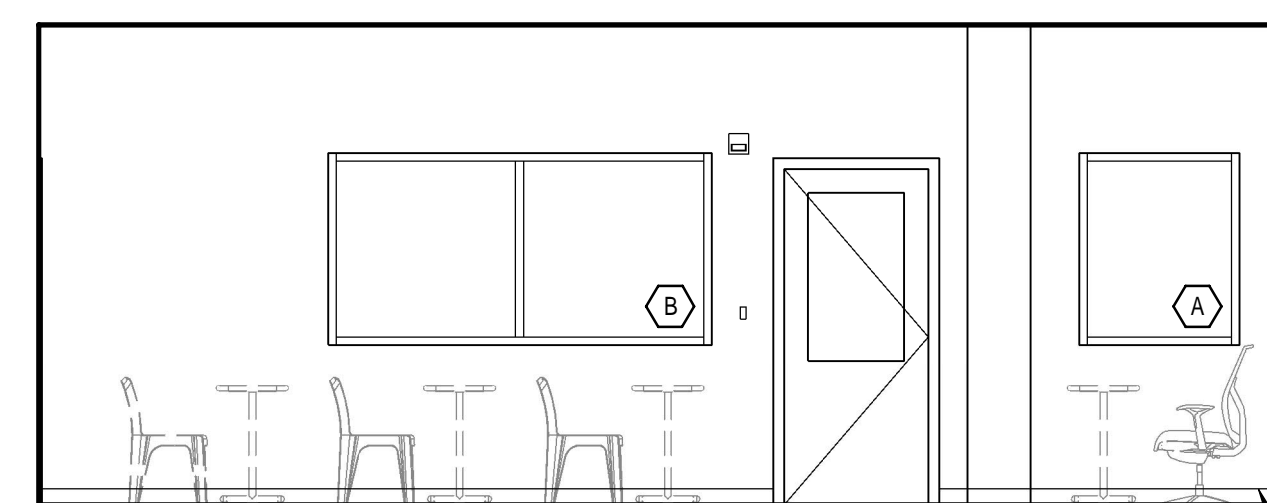
INTERIOR ELEVATION - LAW LIBRARY 308 (D1)
1/4" = 1'-0"



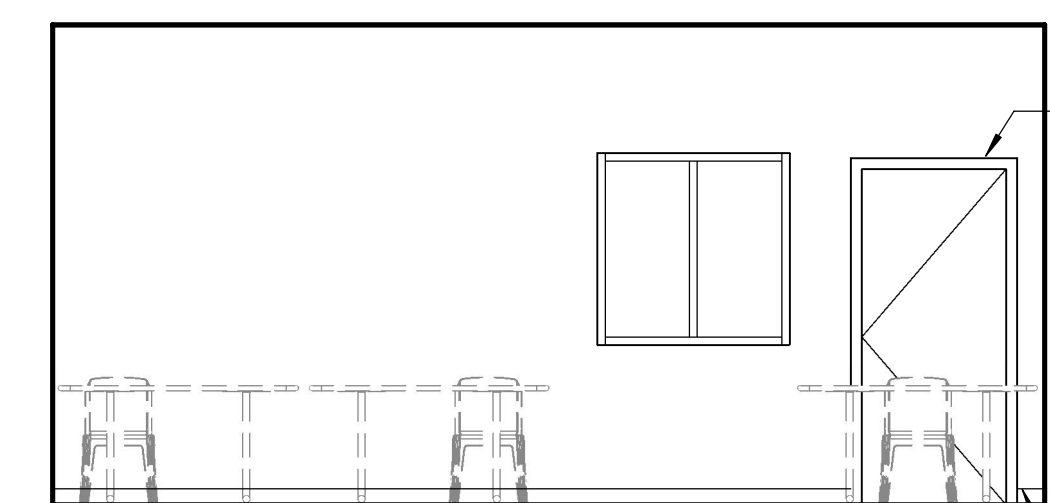
INTERIOR ELEVATION - CLASS 305 (A14)
1/4" = 1'-0"



INTERIOR ELEVATION - CLASS 305 (A10)
1/4" = 1'-0"



INTERIOR ELEVATION - CLASS 305 (A5)
1/4" = 1'-0"

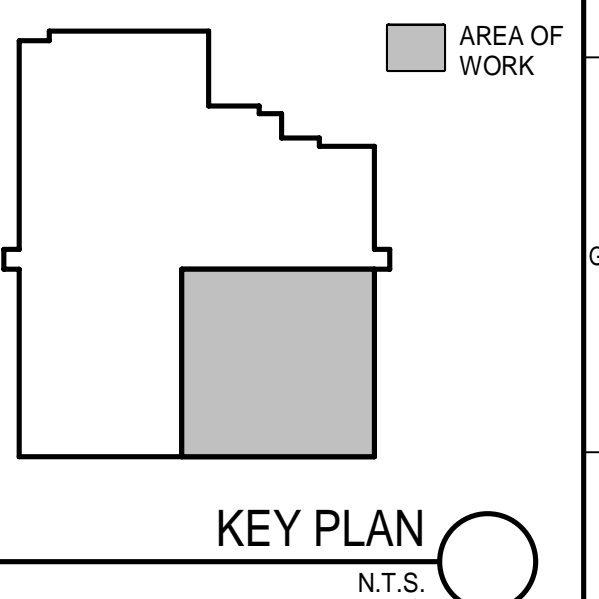


INTERIOR ELEVATION - CLASS 305 (A1)
1/4" = 1'-0"

ACCESSORY LEGEND

TAG	DESCRIPTION	PROVIDE / INSTALL
(A)	PROJECTOR SCREEN	O/C

NOTES:
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C = CONTRACTOR
V = VENDOR



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**MAINE STATE PRISON
DORIS BUFFET HIGHER
EDUCATION CENTER
RENOVATIONS**
807 Cushing Rd. Warren, ME 04864
INTERIOR ELEVATIONS

SHEET TITLE:



SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
AVE OF RECORD:	JGJ		
JOB CAPTAIN:	BLS		
DRAWN BY:	BLS		
SMRT FILE:	AE210-20560	SHEET No.:	AE210

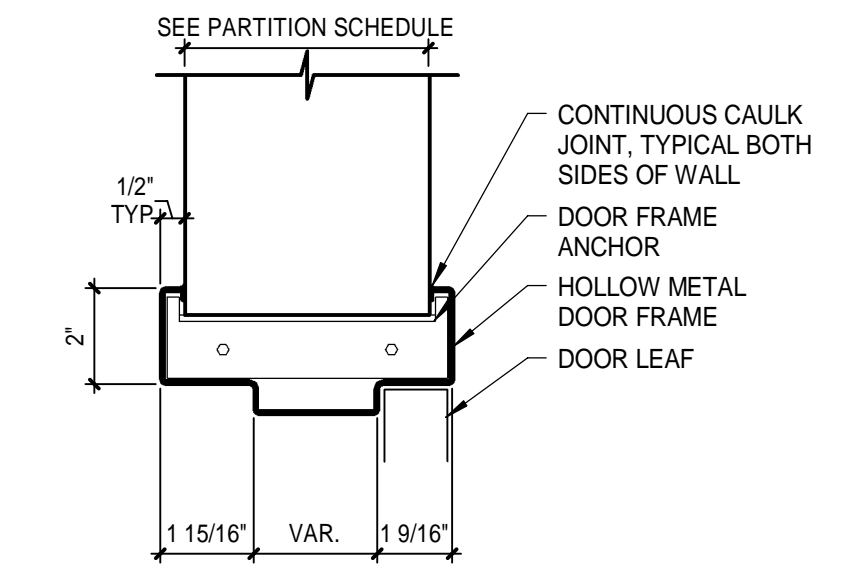
DOOR NUMBER	DOOR						FRAME						REMARKS	DOOR NUMBER	
	TYPE	SIZE		MATL	GLASS	TYPE	DETAILS			MATL	GLASS	HWD SET			FIRE RATING
		WIDTH	HEIGHT				HEAD	JAMB	SILL						
303	N	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-3		303	
304A	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM				304A	
304B	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				304B	
305	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-2		305	
306	N	3'-0"	7'-0"	HM	TEMP.	EXIST				EXIST				306	
308A	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-1		308A	
308B	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				308B	
314A	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-1		314A	
314B	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				314B	
314C	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				314C	
318A	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-2		318A	
318B	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				318B	
323A	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				323A	
323B	EXIST	3'-0"	7'-0"	EXIST		EXIST				EXIST				323B	
325	N	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-3		325	
338A	HG	3'-0"	7'-0"	HM	TEMP.	F2	H1/AE600	F1/AE600		HM		HWS-2		338A	

DOOR NOTES:

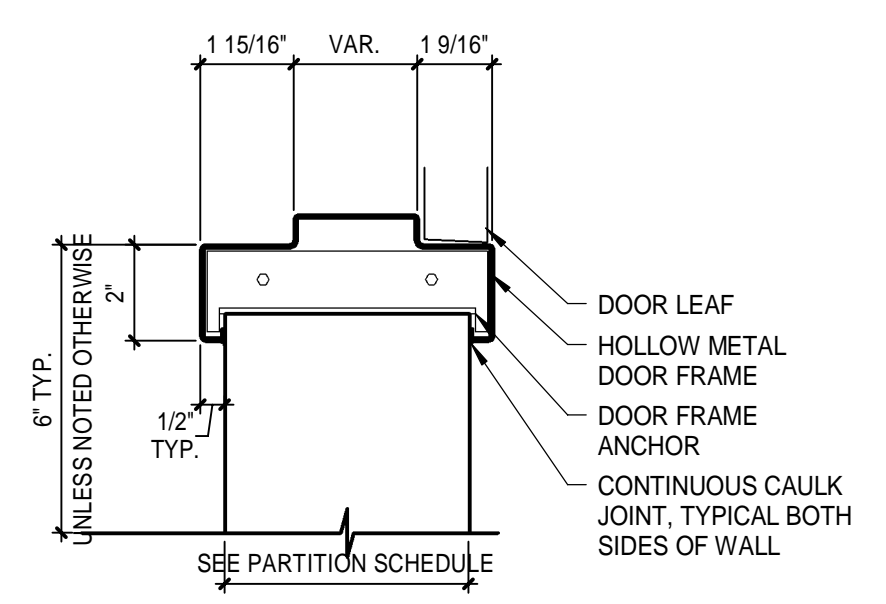
1. ALL SWINGING DOORS TO BE 1 3/4" THICK UNLESS NOTED OTHERWISE.
2. ALL DOORS SHALL BE 3/4" UNDERCUT (TYPICAL) EXCEPT WHEN THERE IS A BOTTOM FRAME/THRESHOLD OR SPECIFICALLY NOTED OTHERWISE.
3. ALL DOORS WITH BOTTOM FRAMES OR SILL THRESHOLDS SHALL HAVE MANUFACTURERS RECOMMENDED STANDARD UNDERCUT.
4. GLAZING NOTED ON DOOR SCHEDULE IS FOR THE DOOR AND BORROWED LIGHT IN THE FRAME TYPICAL.
5. SEE SPECIFICATIONS FOR GLAZING TYPES AND INFORMATION.
6. GLAZING TO BE FREE OF STAMPS, MARKINGS, ETC. UNLESS REQUIRED BY CODE TO IDENTIFY A RATING.
7. GLAZING STOPS ON BORROWED LIGHTS SHALL BE LOCATED ON THE ROOM SIDE OF FRAME. BUTT JOINT ALL GLAZING STOP TIGHT TO FRAME FOR A CLEAN, FINISHED APPEARANCE.
8. CAULK PERIMETER OF DOOR AND WINDOW FRAMES TO THE WALL. MATCH FRAME COLOR.
9. CAULK EDGES AND Voids ALONG WINDOW STOPS OF HOLLOW METAL FRAMES PRIOR TO PAINTING TO PROVIDE A CLEAN FINISHED APPEARANCE.
10. ALL LABELS ON RATED DOORS TO BE FREE OF PAINT AND CLEARLY VISIBLE UPON INSPECTION.

DOOR ABBREVIATIONS:

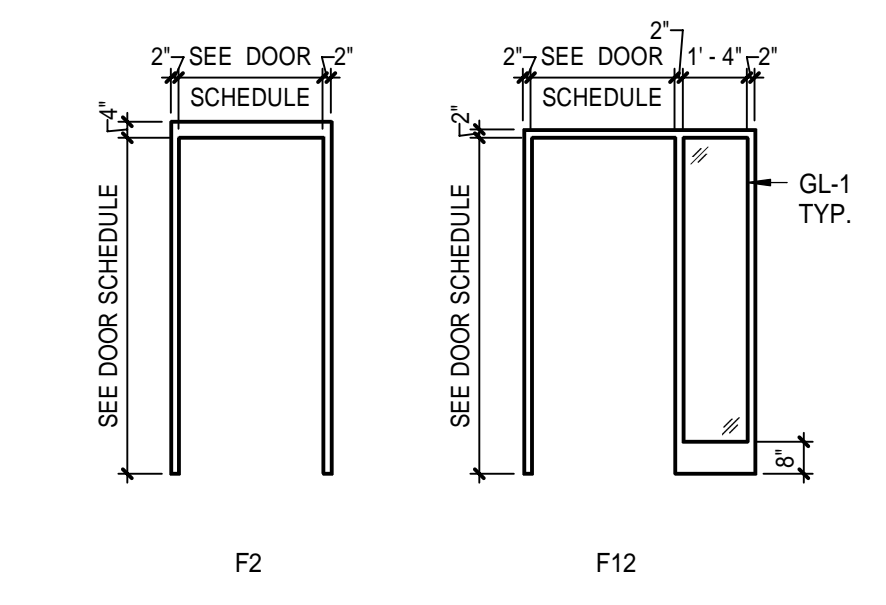
- AL ALUMINUM
- FG FIBERGLASS
- HM HOLLOW METAL
- IN INSULATED
- SF STOREFRONT
- SS STAINLESS STEEL
- TEMP TEMPERED GLASS
- WIRE WIRED GLASS



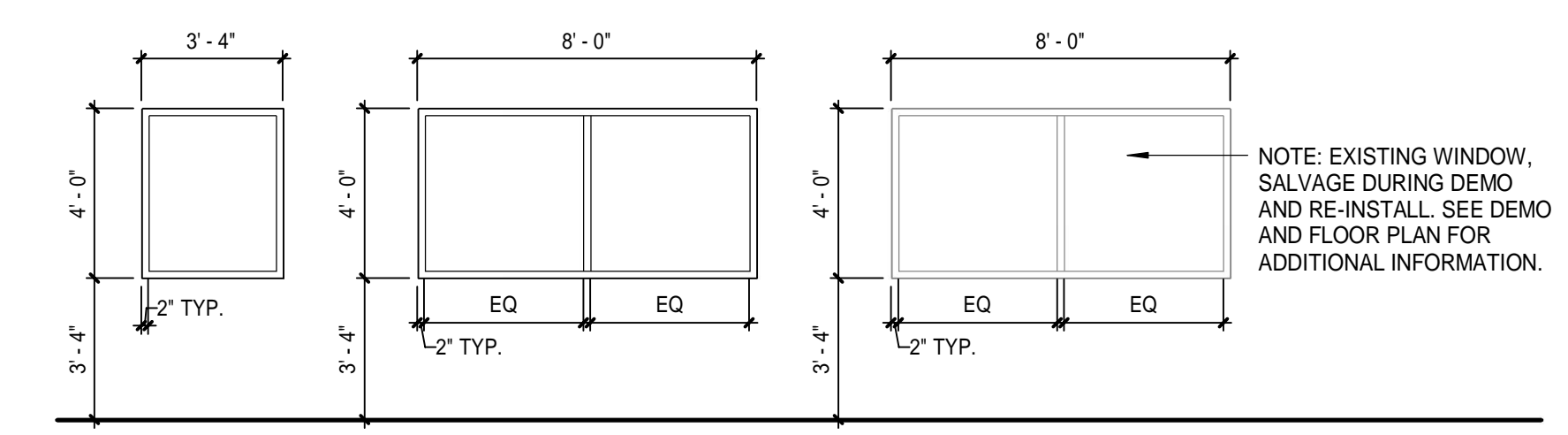
DOOR HEAD DETAIL H1
3" = 1'-0"



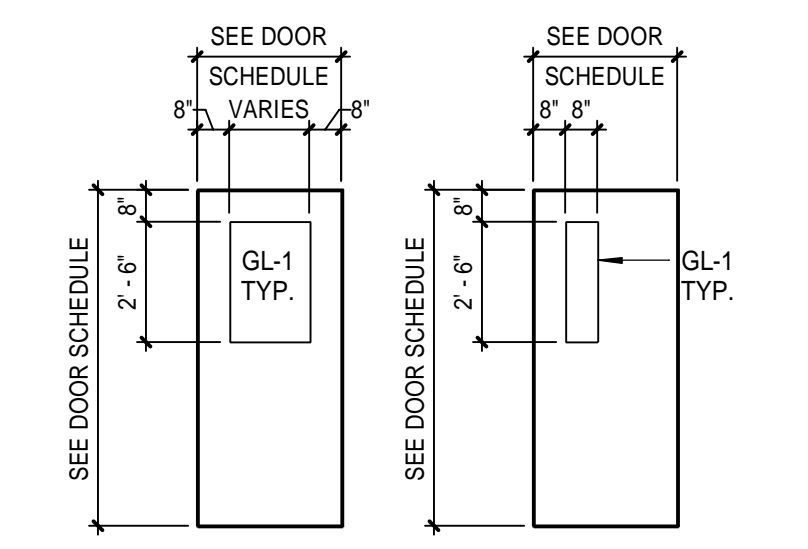
DOOR JAMB DETAIL F1
3" = 1'-0"



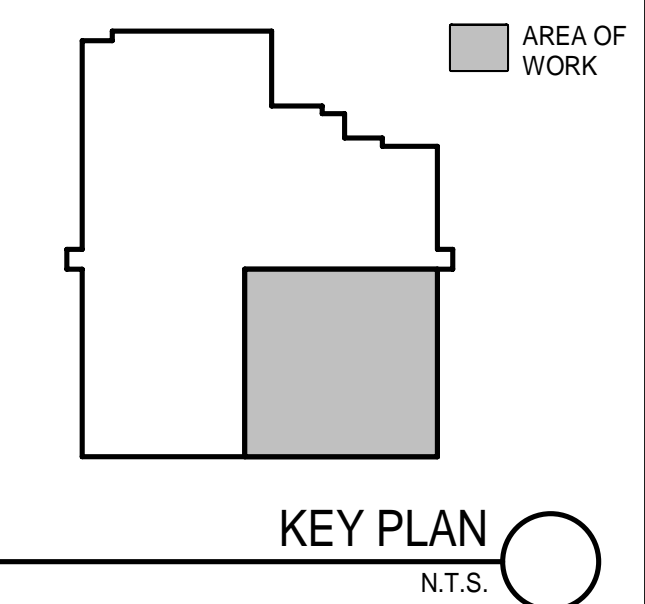
DOOR FRAME TYPES C1
1/4" = 1'-0"



INTERIOR WINDOW TYPES A3
1/4" = 1'-0"

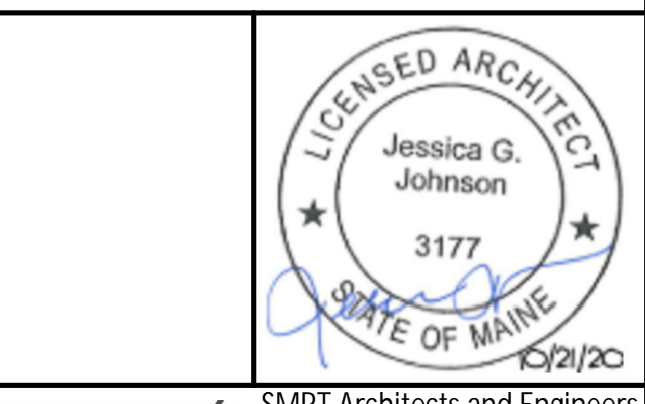


DOOR LEAF TYPES A1
1/4" = 1'-0"



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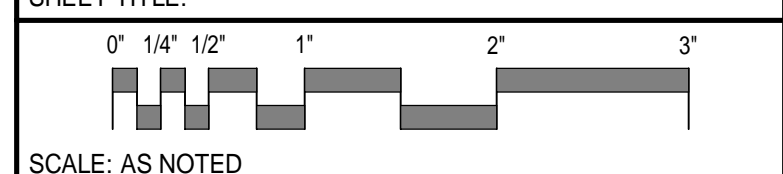
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**DOOR TYPES, DETAILS AND
SCHEDULE. WINDOW TYPES AND
DETAILS**



SCALE: AS NOTED	PROJECT MANAGER: JGJ	PROJECT NO: 20560
AVE OF RECORD: JGJ	JOB CAPTAIN: BLS	AE600
DRAWN BY: BLS	SMRT FILE: AE600-20560	
SHEET NO.		SHEET No.

C	NAME	FLOOR		WALLS				CEILING		ROOM NUMBER	COMMENTS
		MATL	BASE	NORTH	SOUTH	EAST	WEST	MATL	HT		
				MATL	MATL	MATL	MATL				
303	STORAGE	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	303	EPOXY; REFER TO FINISH PLAN FOR INFORMATION ON VCT INSTALLATION PATTERN.
304	OFFICE	CPT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	304	EPOXY
305	CLASSROOM 1	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	305	EPOXY;
307	CORRIDOR	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	307	EPOXY; REFER TO FINISH PLAN FOR INFORMATION ON VCT INSTALLATION PATTERN.
308	LAW LIBRARY	CPT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	308	EPOXY
314	LIBRARY	CPT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	314	EPOXY
318	OFFICE	CPT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	318	EPOXY
323	ART	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	323	EPOXY; REFER TO FINISH PLAN FOR INFORMATION ON VCT INSTALLATION PATTERN.
325	STORAGE	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	325	EPOXY; REFER TO FINISH PLAN FOR INFORMATION ON VCT INSTALLATION PATTERN.
338	CLASSROOM 2	VCT	RB	CMU/ PTD	CMU/ PTD	CMU/ PTD	CMU/ PTD	ACT	SEE RCP	338	EPOXY; REFER TO FINISH PLAN FOR INFORMATION ON VCT INSTALLATION PATTERN.

WALL FINISH NOTES:

- REFER TO ROOM FINISH SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING TYPE AND LOCATION OF FINISHES.
- REFER TO THE FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATION OF FLOOR FINISHES AND FLOOR FINISH PATTERNS.
- REFER TO INTERIOR ELEVATIONS AE210 FOR ADDITIONAL INFORMATION REGARDING WALL FINISHES AND WALL TILE PATTERNS.
- REFER TO SPECIFICATIONS FOR INFORMATION REGARDING SPECIFIED PAINT FINISHES (SHEEN).
- HVAC GRILLES OR DIFFUSERS MOUNTED ON GWB SHALL BE FIELD PAINTED TO MATCH COLOR OF WALL.
- ELECTRICAL PANELS LOCATED OUTSIDE OF ELECTRICAL ROOMS OR CLOSETS, SHALL BE FIELD PAINTED TO MATCH THE COLOR OF THE WALL ON WHICH IT IS MOUNTED.
- ALL WALLS NOT INDICATED TO RECEIVE AN ACCENT COLOR SHALL BE PTD-1.
- ALL HM DOORS TO BE PTD-7, UNLESS NOTED OTHERWISE.
- ALL HM FRAMES, TRIM AND RAILINGS TO BE PTD-3, UNLESS NOTED OTHERWISE.
- ALL GWS CEILINGS AND SOFFITS SHALL BE PTD-X, UNLESS NOTED OTHERWISE. REFER TO RCP (Insert Sheet Number) FOR ADDITIONAL INFORMATION REGARDING LOCATION OF SOFFITS.
- ALL WALL PAINTING TO BE DONE BY OTHERS UNLESS NOTED OTHERWISE.

INTERIOR FINISH ABBREVIATIONS:

- ACT ACOUSTIC CEILING TILE
- CPT CARPET
- PTD PAINTED
- RB RESILIENT WALL BASE
- RCP REFLECTED CEILING PLAN
- VCT VINYL COMPOSITION TILE

FINISH LEGEND:

ACOUSTIC CEILING TILE
ACT-1: ARMSTRONG CEILING SOLUTIONS, FINE FIGURED, 24X24-INCH TILE SQUARE LAY-IN # 1728, 15/16-INCH METAL GRID SYSTEM, FINISH: FINE TEXTURED, COLOR: WHITE.

CARPET (SHEET)
CPT-1: MOHAWK GROUP, STYLE: FACULTY REMIX GL154, COLOR: 989 GREATEST CHARCOAL.

PAINT (PAINTED BY OTHERS)
PTD-1: SHERWIN WILLIAMS, COLOR: NEUTRAL GROUND (FIELD) (TO MATCH EXISTING).
PTD-2: SHERWIN WILLIAMS, COLOR: BLUE HERON (TO MATCH EXISTING).
PTD-3: SHERWIN WILLIAMS, COLOR: SHALE GRAY (TO MATCH EXISTING).
PTD-4: SHERWIN WILLIAMS, COLOR: POSH YOYAGE (TO MATCH EXISTING).
PTD-5: SHERWIN WILLIAMS, COLOR: EDWARDIAN GREEN (TO MATCH EXISTING).
PTD-6: SHERWIN WILLIAMS, COLOR: BLUE BLAZER (TO MATCH EXISTING).
PTD-7: SHERWIN WILLIAMS, COLOR: CINNABAR (TO MATCH EXISTING).

RESILIENT BASE
RB-1: TARKETT, 4H TRADITIONAL BASE WITH TOE, COLOR: MATCH EXISTING (GRAY).

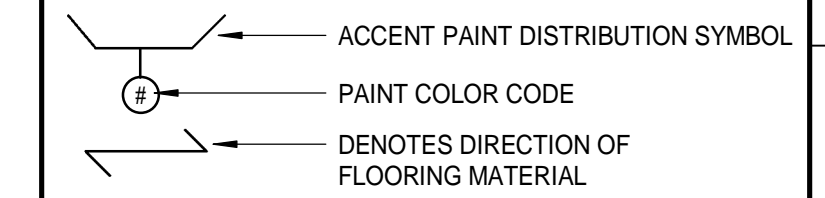
VINYL COMPOSITION TILE
VCT-1: ARMSTRONG, STYLE: STANDARD EXCELOX, COLOR: PEBBLE TAN S1928, (FIELD)
VCT-2: ARMSTRONG, STYLE: STANDARD EXCELOX, COLOR: SILVER GREEN, (ACCENT)
VCT-3: ARMSTRONG, STYLE: STANDARD EXCELOX, COLOR: CYPRESS, (ACCENT)
VCT-4: ARMSTRONG, STYLE: STANDARD EXCELOX, COLOR: DOESKIN PEACH, (ACCENT)
VCT-5: ARMSTRONG, STYLE: STANDARD EXCELOX, COLOR: TBD, (ACCENT)

FLOOR FINISH NOTES:

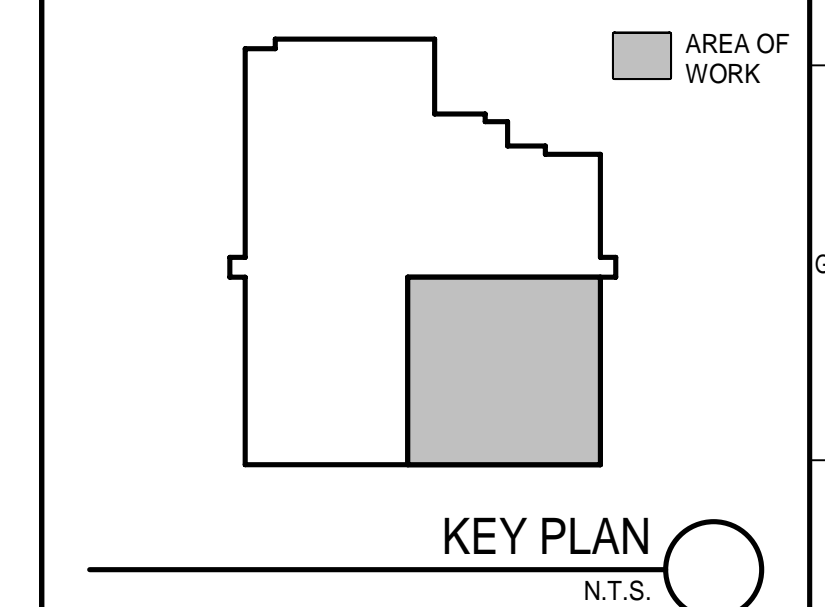
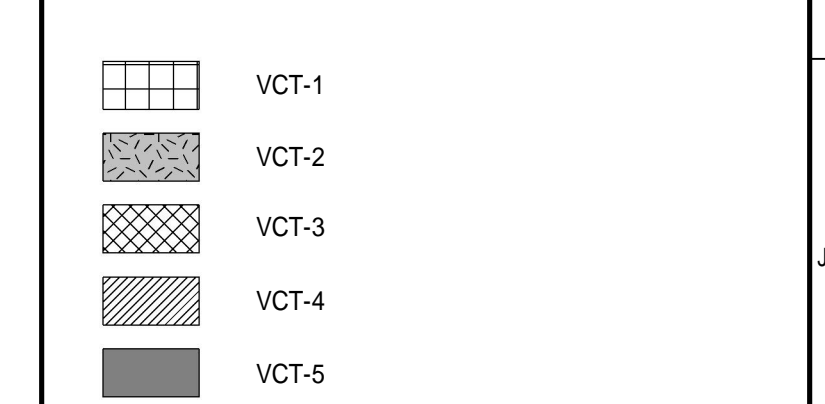
- REFER TO THIS SHEET FOR LAYOUT OF FLOOR FINISH MATERIALS AND THE FINISH LEGEND FOR ACTUAL MATERIALS USED.
- REFER TO FINISH PLAN ON THIS SHEET FOR INFORMATION REGARDING LOCATIONS OF PAINTED ACCENT WALLS AND OTHER WALL APPLIED FINISHES.
- REFER TO SPECIFICATIONS FOR INFORMATION REGARDING RESILIENT TRANSITIONS, THRESHOLDS, METAL EDGE STRIPS AND OTHER FLOORING ACCESSORIES.
- FLOORING TO RUN BENEATH CASEWORK, UNLESS NOTED OTHERWISE.
- REFER TO SPECIFICATIONS FOR INFORMATION REGARDING CARPET INSTALLATION.

FINISH SYMBOL LEGEND:

REFER TO PAINT LEGEND AND ROOM FINIS TAG ON THIS SHEET FOR MATERIAL DESIGNATION NUMBERS AND PRODUCT INFORMATION



FLOOR FINISH LEGEND:



REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

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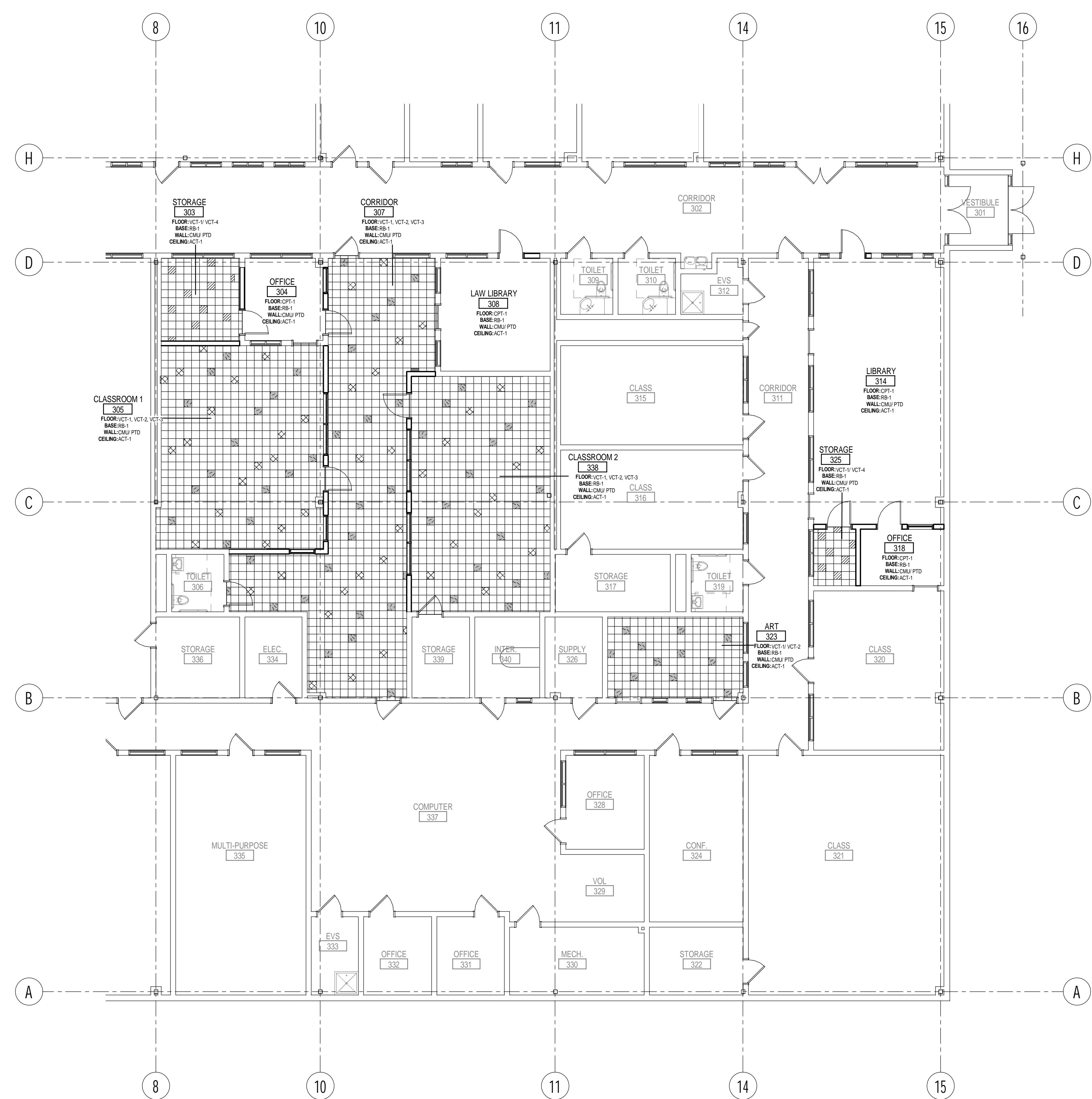
MAINE STATE PRISON DORIS BUFFET HIGHER EDUCATION CENTER RENOVATIONS
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FINISH PLAN

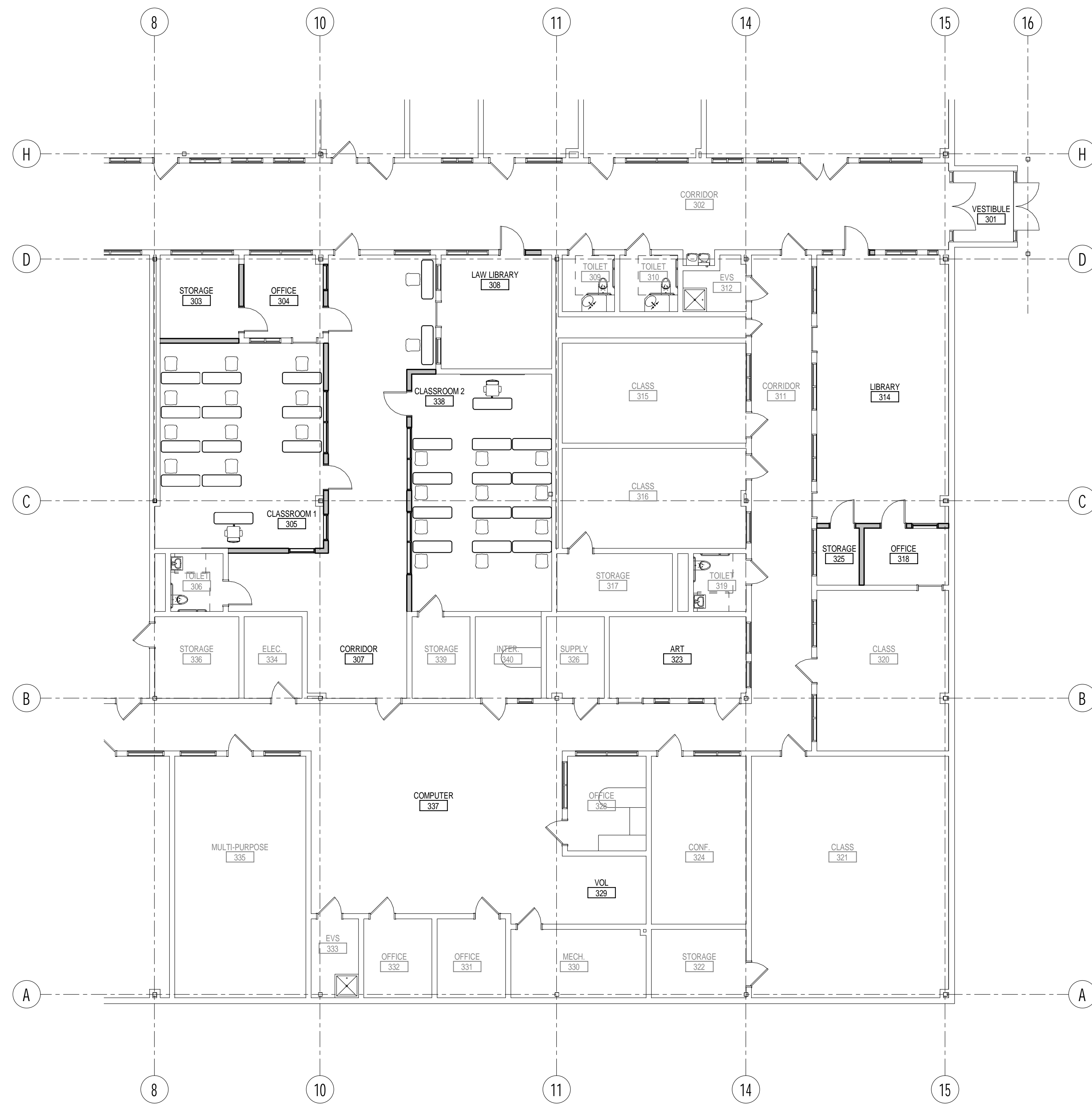
SHEET TITLE:
0' 1/4" 1/2" 1' 2' 3'

SCALE: AS NOTED

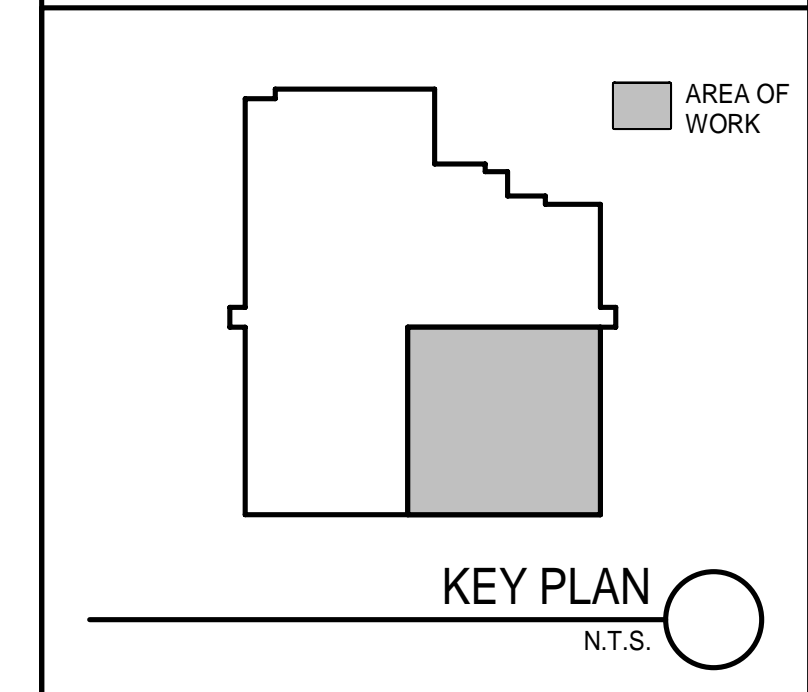
PROJECT MANAGER: JGJ PROJECT NO: 20560
A/E OF RECORD: JGJ
JOB CAPTAIN: BLS
DRAWN BY: KPP
SMRT FILE: ID100-20560 SHEET No. ID100



LEVEL 1 - FINISH PLAN
1/8" = 1'-0" (A3)



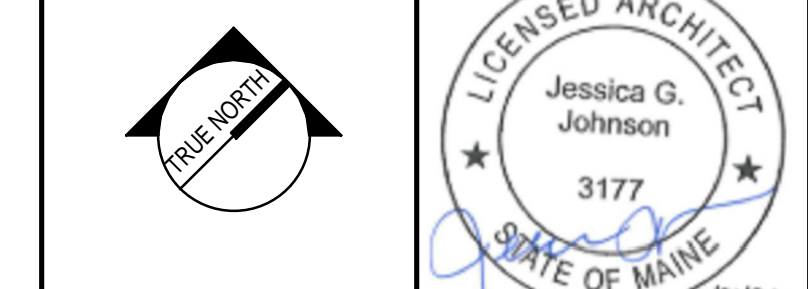
LEVEL 1 - FURNITURE PLAN
1/8" = 1'-0" A1



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0	ISSUED FOR BID	10-21-20

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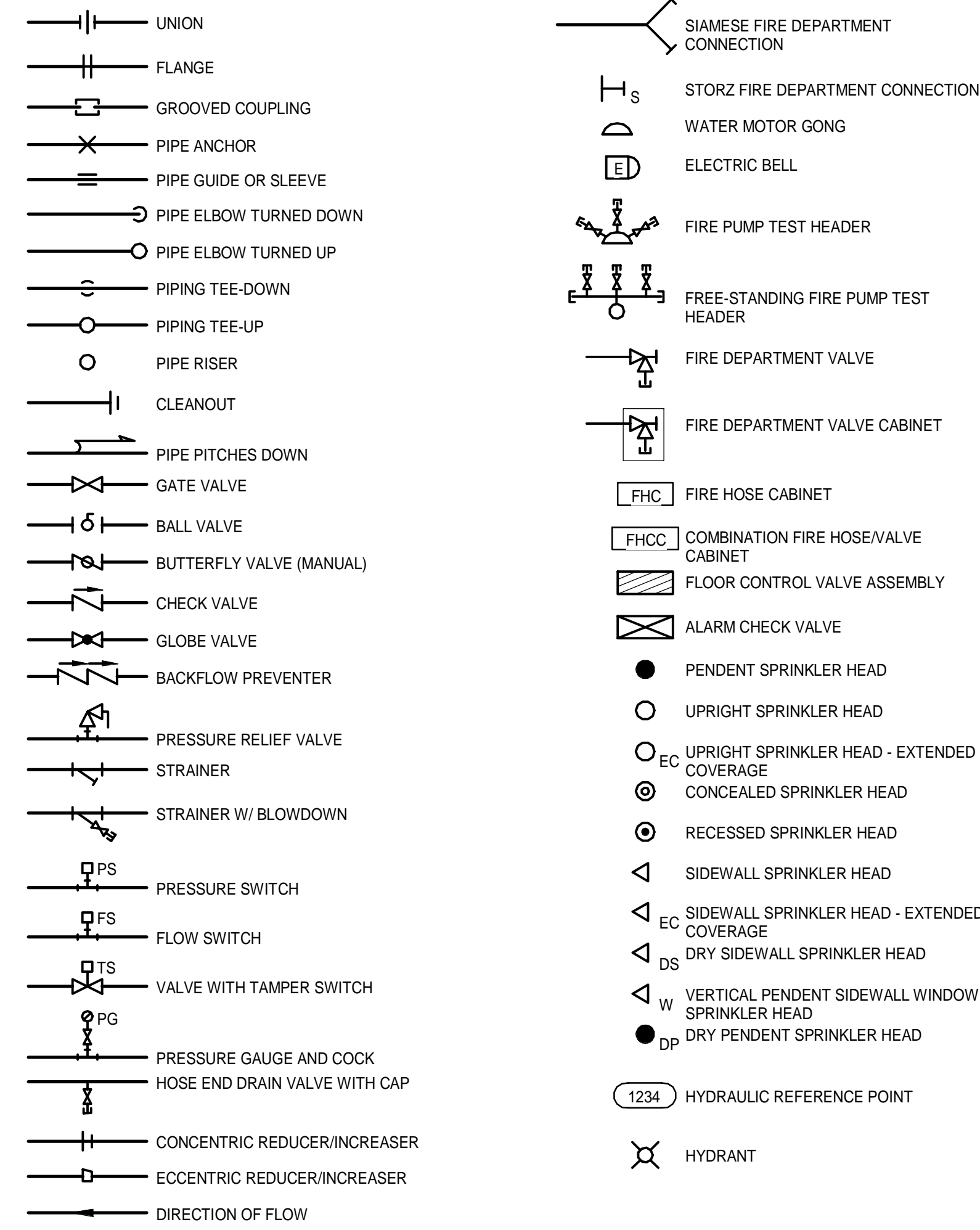
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FURNITURE PLAN



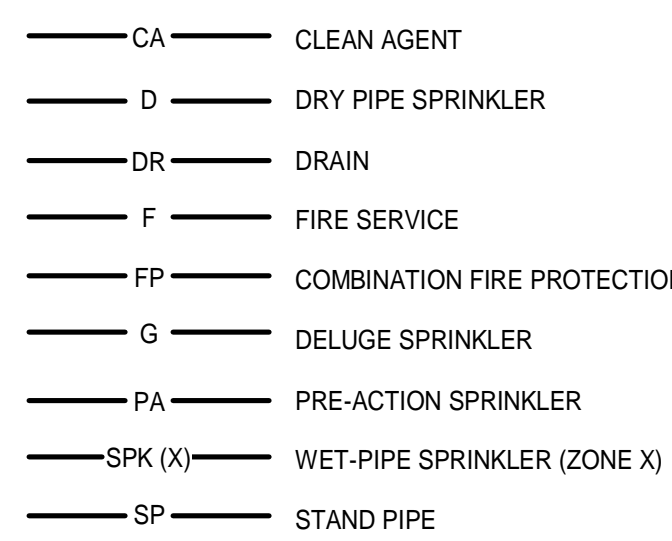
SCALE: AS NOTED

PROJECT MANAGER: JGJ	PROJECT NO: 20560
AVE OF RECORD: JGJ	
JOB CAPTAIN: BLS	
DRAWN BY: KPP	
SMRT FILE: IF100-20560	SHEET No. IF100

PIPING SYMBOLS



PIPING SYSTEMS



ABBREVIATIONS

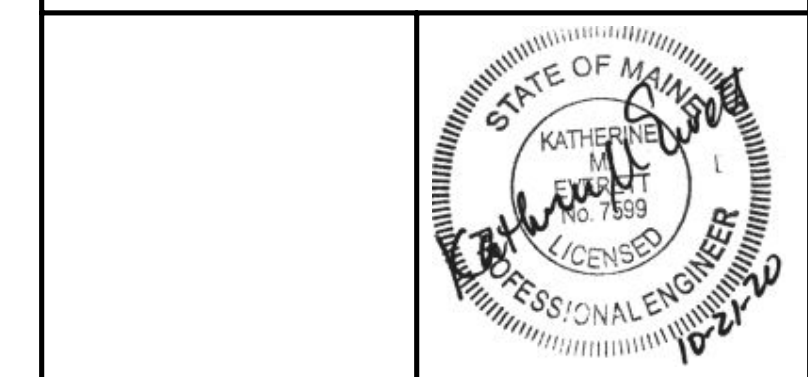
AD ACCESS DOOR	GC GENERAL CONTRACTOR
AHJ AUTHORITY HAVING JURISDICTION	GPM GALLONS PER MINUTE
AP ACCESS PANEL	HVAC HEATING, VENTILATING AND AIR CONDITIONING
BFP BACKFLOW PREVENTER	I.T.S. INSPECTOR'S TEST STATION
BLDG BUILDING	LFPC LIMIT OF FIRE PROTECTION CONTRACT
BOP BOTTOM OF PIPE	MAX MAXIMUM
CA CLEAN AGENT	MFR MANUFACTURER
OFF CAPPED FOR FUTURE	MIN MINIMUM
CLG CEILING	MTD MOUNTED
CONT CONTINUATION	NTS NOT TO SCALE
COORD COORDINATION	PACV PRE-ACTION ALARM CHECK VALVE
CTE CONNECT TO EXISTING	PC (FIRE DEPARTMENT) PUMPER CONNECTION
CU COPPER	PV POST INDICATING VALVE
CW COLD WATER	PLBG PLUMBING
DACV DRY PIPE ALARM CHECK VALVE	PRV PRESSURE REDUCING VALVE
DIA DIAMETER	PS PRESSURE SWITCH
DIC DOWN IN CHASE	(R) REMOVE
DIW DOWN IN WALL	(REL) RELOCATED
DCVA DOUBLE CHECK VALVE ASSEMBLY	RM ROOM
DN DOWN	RPZ REDUCED PRESSURE ZONE BFP
DR DRAIN	RV RELIEF VALVE
DS DOWNSPOUT	SACV (WET PIPE) SPRINKLER ALARM CHECK VALVE
DT DROP AND TRANSITION	SD SMOKE DETECTOR
DWG DRAWING	SP STAND PIPE
ENC ENCLOSURE	SPK SPRINKLER
(E) EXISTING	TH (FIRE DEPARTMENT) TEST HEADER
EXIST. EXISTING	TOP TOP OF PIPE
FBO FURNISHED BY OWNER	TS TAMPERS SWITCH
FC FLEXIBLE CONNECTION	TTS TIGHT TO STEEL
FCVA FLOOR CONTROL VALVE ASSEMBLY	TYP TYPICAL
FDC FIRE DEPARTMENT CONNECTION	UIC UP IN CHASE
FDV FIRE DEPARTMENT VALVE	UIW UP IN WALL
FDVC FIRE DEPARTMENT VALVE CABINET	UL UNDERWRITER'S LABORATORY
FEX FIRE EXTINGUISHER	VCF VALVED AND CAPPED FOR FUTURE
FH FIRE HOSE	W WITH
FHC FIRE HOSE CABINET	WIV WALL INDICATING VALVE
FM FACTORY MUTUAL	WMG WATER MOTOR GONG
FS FLOW SWITCH	

FIRE PROTECTION GENERAL NOTES:

- ALL SPRINKLER GENERAL NOTES, SYMBOLS LISTS & DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL SPRINKLER DRAWINGS FOR THIS PROJECT.
- THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND EXACT LOCATIONS AND ARRANGEMENTS OF EXISTING EQUIPMENT, DUCTWORK, PIPING AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL AND ARCHITECTURAL SYSTEMS. EXISTING STRUCTURAL SYSTEMS SHALL NOT BE MODIFIED WITHOUT THE EXPRESS PERMISSION OF THE ENGINEER.
- IF REQUIRED THE PROJECT SHALL BE PHASED IN ACCORDANCE WITH THE APPROVED PHASING PLAN. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR THE SEQUENCING AND TIMING OF OPERATIONS PRIOR TO COMMENCING WORK. SEE SPECIFICATIONS.
- CONTRACTORS TO MAINTAIN SERVICE TO ROOMS OUTSIDE THE PROJECT SCOPE OF WORK AND PHASING SCHEDULE.
- CARE SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SYSTEMS AND SURFACES TO REMAIN. RESTORE DAMAGED AREAS THAT ARE BEYOND THE SCOPE OF THIS CONTRACT TO THEIR ORIGINAL CONDITION.
- WHERE INDICATED ON THE DRAWINGS, REMOVE OR RELOCATE EXISTING COMPONENTS AS REQUIRED TO ACCOMMODATE THE NEW WORK. REMOVALS SHALL INCLUDE ALL ASSOCIATED OFF-SITE DISPOSAL COSTS.
- COORDINATE REMOVALS AND RELOCATIONS INCLUDING SELECTIVE CUTTING AND PENETRATIONS WITH ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL CONTRACTORS.
- MOST PARTITIONS ARE FULL HEIGHT AND REQUIRE PENETRATIONS TO BE SEALED. SEE ARCHITECTURAL DRAWINGS FOR PARTITION HEIGHTS. UTILITIES SHOWN FOR CLARITY THAT MAY RUN PARALLEL TO WALL PARTITIONS WILL REQUIRE LOCATING IN THE FIELD TO MINIMIZE CONFLICT WITH PARTITIONS.
- AT THE END OF EACH WORKING DAY, THE CONSTRUCTION SITE SHALL BE LEFT IN A CLEAN AND NEAT CONDITION.
- FIELD VERIFY EXISTING EQUIPMENT, DUCTWORK AND PIPING PRIOR TO REMOVAL OR REUSE. CONFIRM WITH OWNER THAT ALL EQUIPMENT, DUCTWORK AND PIPING DESIGNATED TO BE REMOVED IS NO LONGER IN SERVICE PRIOR TO ITS REMOVAL.
- EXISTING EQUIPMENT, DUCTWORK AND PIPING TO REMAIN IN SERVICE SHALL BE INSPECTED. ANY EQUIPMENT FOUND TO BE INOPERABLE SHALL BE REPORTED TO PROJECT ENGINEER.
- FIRE PROTECTION SYSTEM AS SHOWN IS DIAGRAMMATIC AND FOR REFERENCE. CONTRACTOR MAY ALTER PIPING AND HEAD LOCATION WITH APPROVAL OF OWNER.
- FIRE PROTECTION CONTRACTOR SHALL ENSURE PROPOSED FIRE PROTECTION SYSTEM DESIGN MEETS ALL REQUIREMENTS OF NFPA-13 AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
- SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED BY SPRINKLER CONTRACTOR TO PROVIDE MINIMUM FLOW RATES AT HYDRAULICALLY MOST REMOTE AREA AS REQUIRED BY OWNER'S INSURANCE UNDERWRITER AND OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A HYDRANT FLOW TEST TO OBTAIN CURRENT FLOW DATA FOR THEIR USE IN THE DESIGN. PROVIDE COPIES OF TEST RESULTS TO THE OWNER AND ENGINEER.
- SPRINKLER CRITERIA:
A. WET SYSTEM PER NFPA-13
B. NFPA-101 LIFE SAFETY CODE.
C. INTERNATIONAL BUILDING CODE.
- REFER TO PERFORMANCE SPECIFICATIONS.
- SPRINKLER ZONES: (INDICATION REQUIRED) SHALL MATCH BUILDING SMOKE ZONES.
- TAMPER SWITCHES ON SHUT-OFF VALVES SHALL REPORT TROUBLE SIGNAL TO FIRE ALARM PANEL.
- INSPECTION/TEST DRAIN ASSEMBLIES SHALL BE PIPED TO GRADE. COORDINATE LOCATIONS WITH THE OWNER.
- ALL PIPE PENETRATIONS THRU FIRE RATED FLOOR/CEILING ASSEMBLIES SHALL BE FIRE PROOFED BY THE SPRINKLER CONTRACTOR AS REQUIRED TO MEET RATING.
- DO NOT ORDER SPRINKLER HEADS UNTIL APPROVAL IS RECEIVED FROM ARCHITECT FOR ALL AREAS AND APPLICATIONS. REFER TO ARCHITECTURAL PLANS, DETAILS, AND SPECIFICATIONS FOR COMPLETE BUILDING DEFINITION.
- MANUFACTURER'S NAME & MODEL NUMBER ARE USED FOR DESCRIPTIVE PURPOSES ONLY & ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED.
- INSTALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND GOOD PRACTICE NORMAL TO THE TRADE. INSTALLATION SHALL INCLUDE PROVISIONS FOR ACCESS TO NORMAL MAINTENANCE ITEMS. PROVIDE ADEQUATE STRUCTURAL SUPPORTS AND SECURE MOUNTING METHODS WITH PROVISIONS FOR VIBRATION ISOLATION AND EXPANSION WHERE REQUIRED.
- INSTALLATION SHALL PERMIT ACCESSIBILITY FOR SERVICE AND/OR REPLACEMENT OF EQUIPMENT PROVIDED. PROVIDE ACCESS PANELS TO ALLOW ACCESS TO SPRINKLER SYSTEMS COMPONENTS THAT REQUIRE INSPECTION AND MAINTENANCE ACCORDING TO MANUFACTURER'S LITERATURE.
- PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS & GUIDES AS NECESSARY TO PREVENT UNDUE STRAIN ON PIPING.
- PIPING SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- SEE DETAILS, PIPING DIAGRAMS AND MANUFACTURER'S RECOMMENDATIONS FOR ADDITIONAL VALVES & FITTINGS NECESSARY FOR COMPLETE PIPING SYSTEM.
- SPRINKLER CONTRACTOR TO COORDINATE ALL WORK WITH OTHER BUILDING TRADES. RELOCATION OF EXISTING HEADS MAY BE NECESSARY TO ACCOMMODATE INSTALLATION OF NEW EQUIPMENT OR DUCTWORK. SPRINKLER HEADS ARE TO MAINTAIN EXISTING COVERAGE. SPRINKLER CONTRACTOR SHALL SUBMIT A COORDINATION DRAWING WITH PIPING ELEVATIONS SHOWN TO PREVENT CONSTRUCTION AND OPERATING INTERFERENCE.
- INFILL ALL NEW OR EXISTING ABANDONED FLOOR SLAB PENETRATIONS WITH GROUT. FILL THICKNESS OF SLAB. MAINTAIN FIRE RATING. ALL EXISTING CONCRETE FLOORS AND CHASES ARE 2 HOUR FIRE RATED.
- FILL AND PATCH ALL OPENINGS IN WALLS WHERE CONDUITS, PIPES, ETC. ARE OR HAVE BEEN REMOVED WITH UL LISTED FIRE ASSEMBLY APPROVED BY THE ARCHITECT. MAINTAIN 2HR FIRE RATING IF APPLICABLE.
- ALL UNUSED (ABANDONED) DUCTWORK, PIPING AND EQUIPMENT INDICATED TO BE REMOVED SHALL BE REMOVED AND CAPPED.
- TIE-IN POINT LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT LOCATIONS IN THE FIELD BASED ON EXISTING CONDITIONS.
- NO AREA SHALL BE LEFT IMPAIRED OF SPRINKLER PROTECTION AT ANY TIME EXCEPT FOR BRIEF PERIODS OF MODIFICATIONS UNLESS APPROVED BY AHJ.
- SPRINKLER CONTRACTOR SHALL PROVIDE STAMPED DRAWINGS AS REQUIRED BY STATE AND SPECIFICATIONS.
- LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES.
- FIRE PROTECTION CONTRACTOR SHALL CEASE ALL WORK IF DEMOLITION AND NEW WORK IMPACTS SUSPECTED ASBESTOS. FIRE PROTECTION CONTRACTOR SHALL THEN REPORT ASBESTOS TO OWNER. OWNER SHALL BE RESPONSIBLE FOR ALL ASBESTOS TESTING AND ABATEMENT. FIRE PROTECTION CONTRACTOR SHALL THEN COMMENCE WORK IF TESTING CONFIRMS NO ASBESTOS, OR UPON CONFIRMATION FROM ASBESTOS ABATEMENT CONTRACTOR.

REV	DESCRIPTION	DATE
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10-21-20



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**FIRE PROTECTION LEGEND AND
ABBREVIATIONS**



SHEET TITLE:

SCALE: AS NOTED

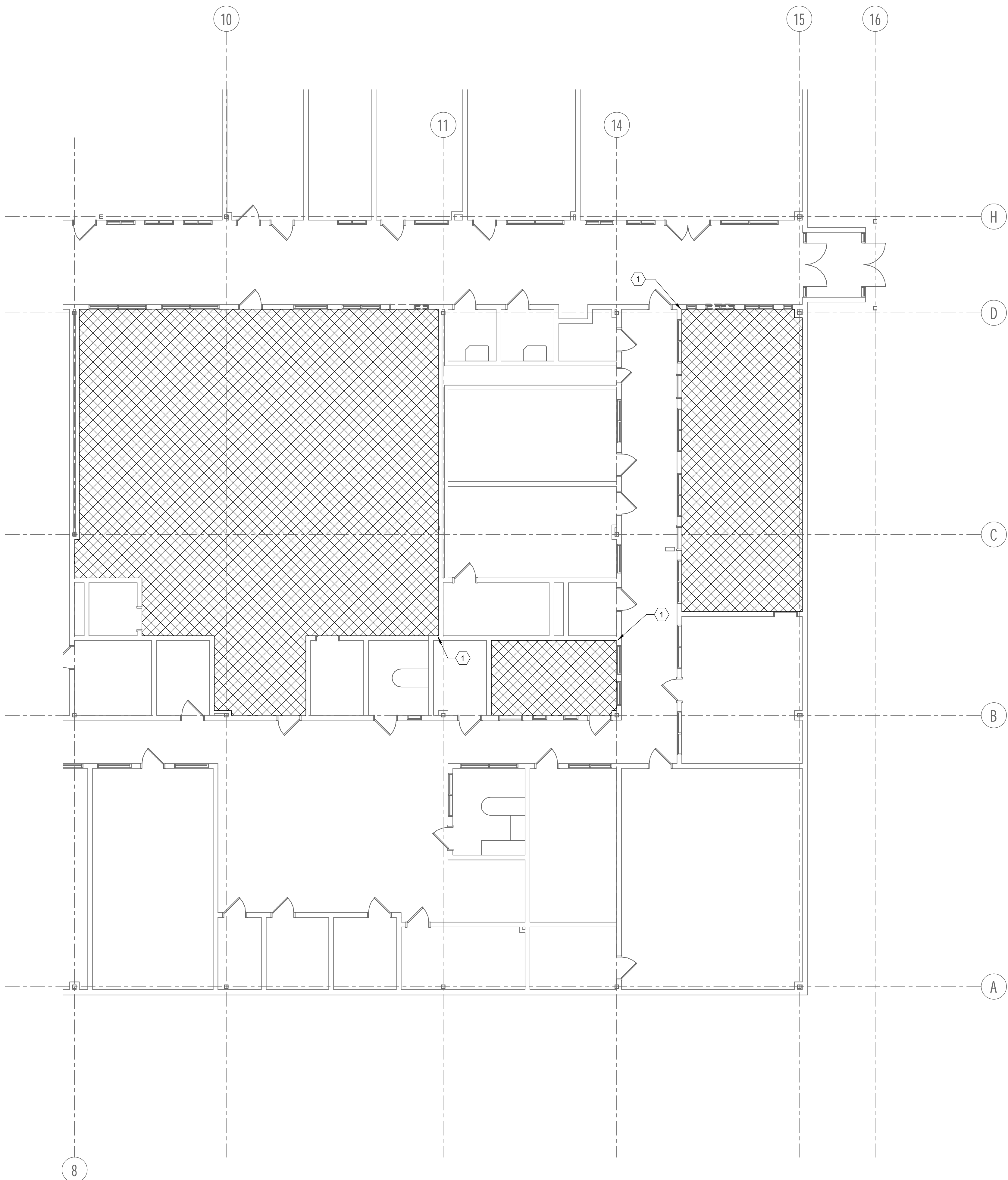
PROJECT MANAGER: JGJ	PROJECT NO: 20560
AVE OF RECORD: KME	
JOB CAPTAIN: BLS	
DRAWN BY: DCG	
SMRT FILE: FP001-20560	SHEET NO. FP001

NOTES:

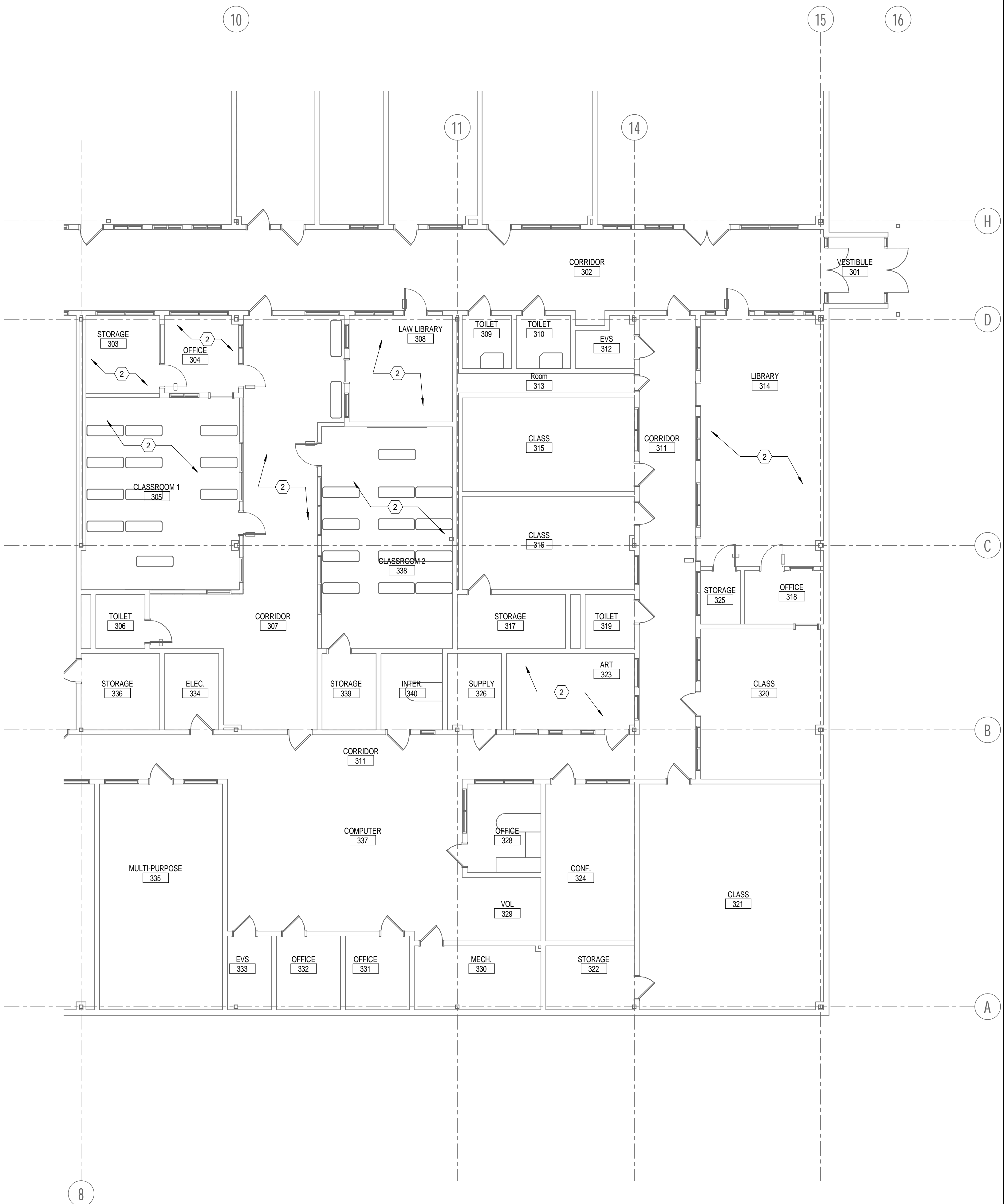
1. SEE SHEET FP-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. THE DRAWINGS ARE DIAGRAMATIC IN NATURE AND EXACT LOCATIONS OF EXISTING/NEW SPRINKLER HEADS, PIPING, AND OTHER COMPONENTS SHALL BE DETERMINED IN THE FIELD WITH DUE CONSIDERATION OF STRUCTURAL, ELECTRICAL, AND ARCHITECTURAL SYSTEMS.
3. FIRE PROTECTION SYSTEM AS SHOWN IS DIAGRAMATIC AND FOR REFERENCE. CONTRACTOR MAY ALTER PIPING/HEAD LOCATION WITH APPROVAL OF OWNER.
4. FIRE PROTECTION CONTRACTOR SHALL ENSURE PROPOSED FIRE PROTECTION SYSTEM MEETS ALL REQUIREMENTS OF NFPA-13 AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
5. SPRINKLER SYSTEM SHALL BE HYDRAULICALLY DESIGNED BY SPRINKLER CONTRACTOR TO PROVIDE MINIMUM FLOW RATES AT HYDRAULICALLY MOST REMOTE AREA AS REQUIRED BY OWNER'S INSURANCE UNDERWRITER AND OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A HYDRANT FLOW TEST TO OBTAIN CURRENT FLOW DATA FOR THEIR USE IN THE DESIGN. PROVIDE COPIES OF TEST RESULTS TO THE OWNER AND ENGINEER.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	EXISTING SPRINKLER HEADS TO BE REMOVED AND RELOCATED.
2	EXISTING RELOCATED SPRINKLER HEADS SHALL BE RELOCATED TO MATCH NEW ARCHITECTURAL LAYOUT. EXTEND BRANCH PIPING AS REQUIRED TO ACCOMMODATE NEW SPRINKLER LAYOUT.



LEVEL 1 - FIRE PROTECTION DEMO PLAN (A10)
1/8" = 1'-0"




LEVEL 1 - FIRE PROTECTION NEW WORK PLAN (A1)
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

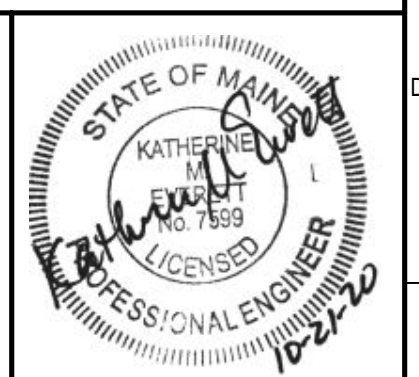
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CURRENT ISSUE STATUS:

PROJECT NORTH:



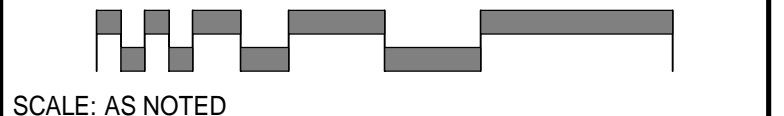
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**LEVEL 1 - FIRE PROTECTION
DEMO AND NEW WORK PLANS**

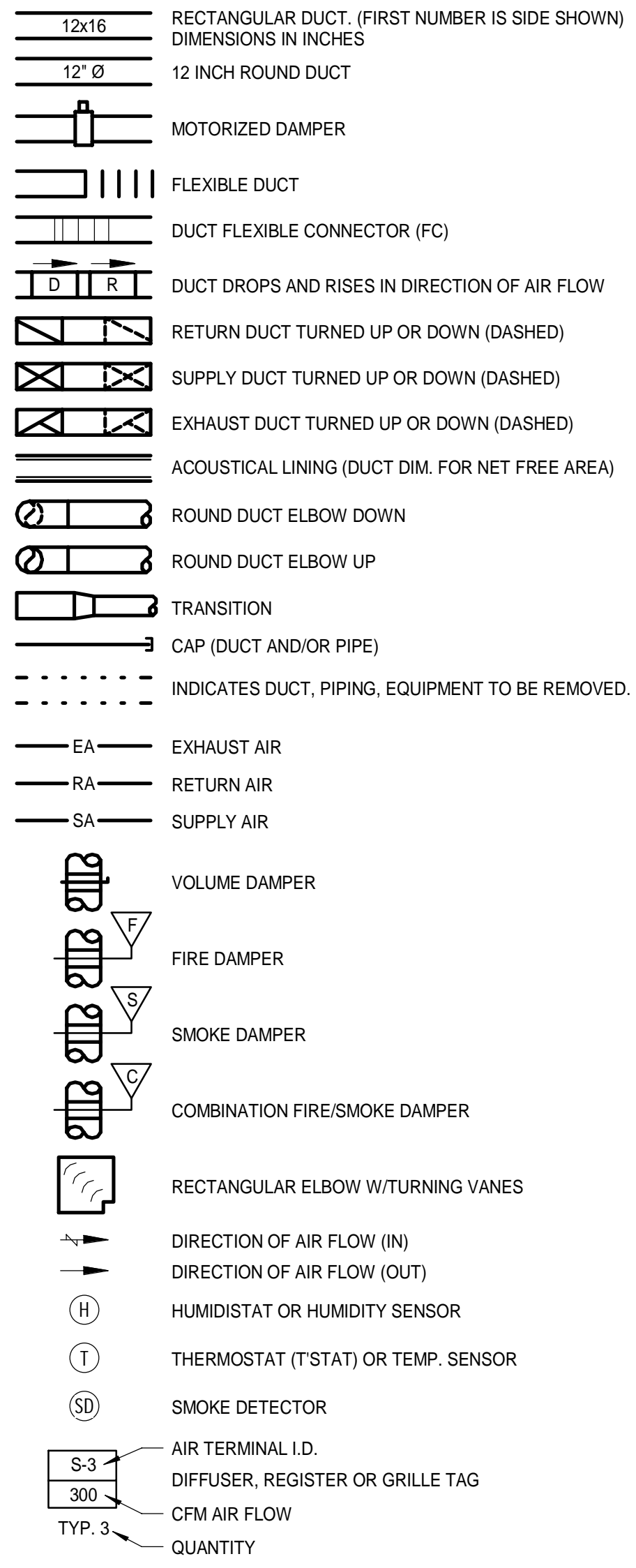
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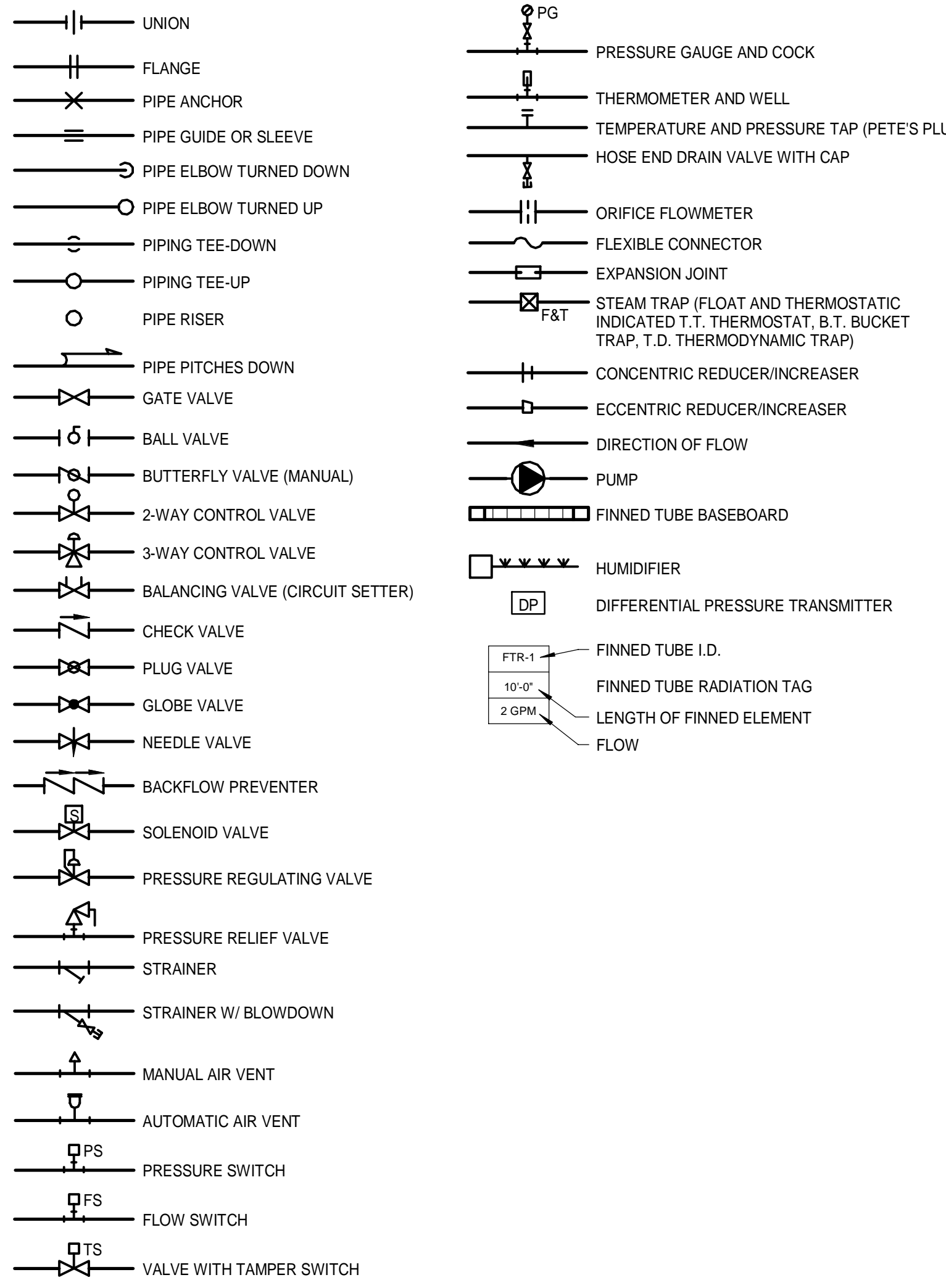
SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO.:	20960
A/E OF RECORD:	KME		
JOB CAPTAIN:	BLS		
DRAWN BY:	DCG		
SMRT FILE:	FP101-20960	SHEET No.:	FP101

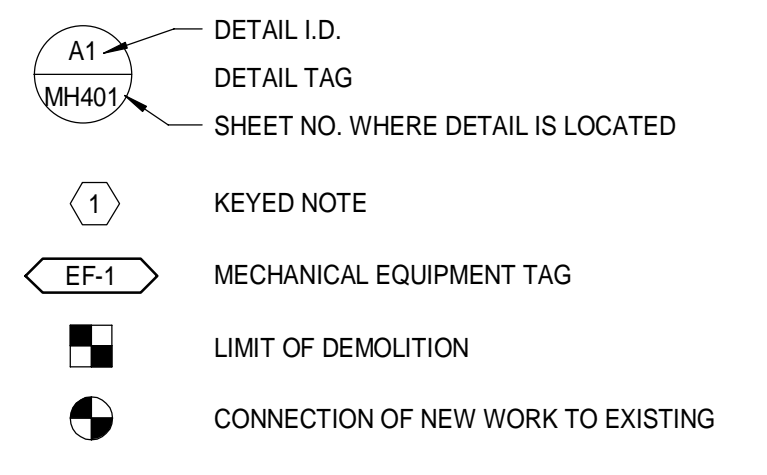
AIR DISTRIBUTION SYMBOLS



PIPING SYMBOLS



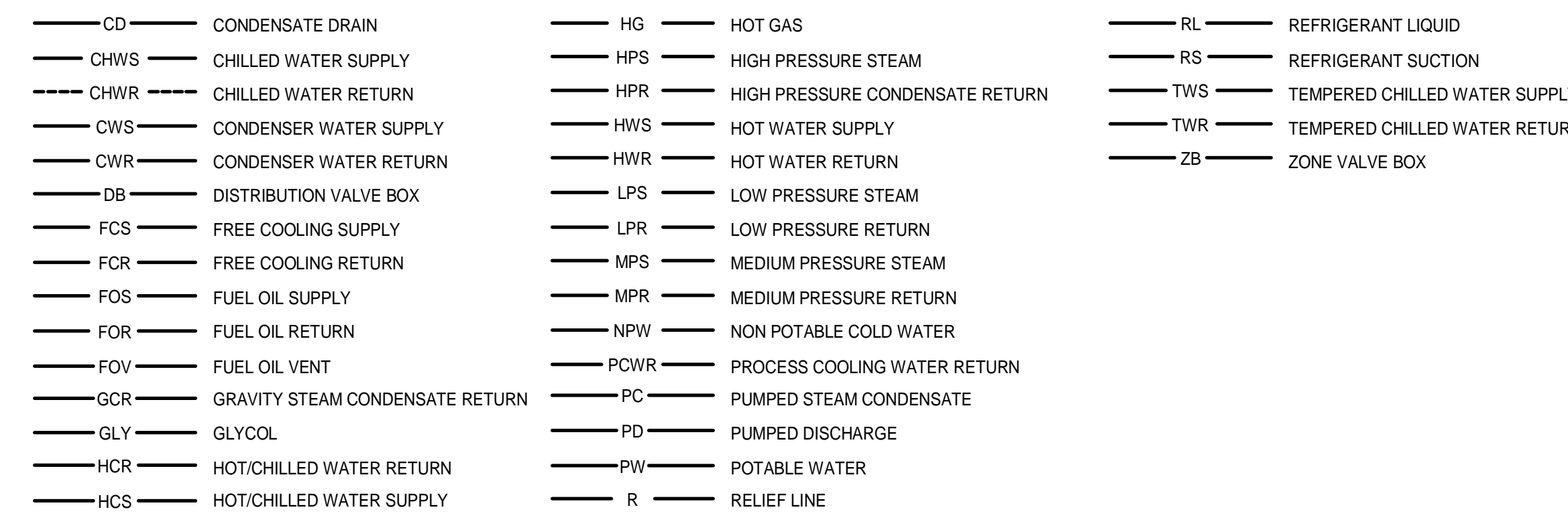
GENERAL SYMBOLS



ABBREVIATIONS

AAV	AUTOMATIC AIR VENT	ENC	ENCLOSURE	PSE	PROCESS SOLVENT EXHAUST
ACC	AIR COOLED CONDENSER	ER	EXHAUST REGISTER	PP	POLY-PROPYLENE
ACU	AIR CONDITIONING UNIT	(E)	EXISTING	PPE	PREPURCHASED EQUIPMENT
AD	ACCESS DOOR	EXIST.	EXISTING	PRS	PRESSURE REDUCING STATION
AE	ACID EXHAUST	FBO	FURNISHED BY OWNER	PRV	PRESSURE REDUCING VALVE
AFF	ABOVE FINISHED FLOOR	FBP	FACE AND BYPASS	PVD	PNEUMATIC VOLUME DAMPER
AFMS	AIR FLOW MEASURING STATION	FC	FLEXIBLE CONNECTOR	(R)	REMOVE
AHU	AIR HANDLING UNIT	FD	FIRE DAMPER	RA	RETURN AIR
ATC	AUTOMATIC TEMPERATURE CONTROL	FG	FIBERGLASS	(REL.)	RELOCATED
AV	AIR VENT	F&T	FLOAT AND THERMOSTATIC	RF	RETURN FAN
BB	BASEBOARD	FO	FLAT OVAL	RG	RETURN GRILLE
BDD	BACKDRAFT DAMPER	FTR	FINNED TUBE RADIATION	RHC	REHEAT COIL
BG	BLAST GATE	FS	FLOW SWITCH	RM	ROOM
BLDG	BUILDING	GC	GENERAL CONTRACTOR	RR	RETURN REGISTER
BOD	BOTTOM OF DUCT	GPM	GALLONS PER MINUTE	RV	RELIEF VALVE
BOP	BOTTOM OF PIPE	H	HUMIDIFIER	SA	SUPPLY AIR
BTU	BRITISH THERMAL UNIT	HB	HOSE BIBB	SCV	SELF CONTAINED VALVE
CBQ	COUNTER BALANCED DAMPER	HRU	HEAT RECOVERY UNIT	SD	SMOKE DETECTOR
CD	CEILING DIFFUSER	HTR	HEATER	SF	SUPPLY FAN
CFM	CAPPED FOR FUTURE	H & V	HEATING AND VENTILATING	SG	SUPPLY GRILLE
CFM	CUBIC FEET PER MINUTE	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	SR	SUPPLY REGISTER
CLG	CEILING	HW	HOT WATER	SS	STAINLESS STEEL
CONT	CONTINUATION	HX	HEAT EXCHANGER	TE	TEMPERATURIZED ELEMENT (SENSOR)
COORD	COORDINATION	IN WG	INCHES WATER GAUGE	TG	TRANSFER GRILLE
CT	COOLING TOWER	MAU	MAKEUP AIR UNIT	TOD	TOP OF DUCT
CTE	CONNECT TO EXISTING	MAX	MAXIMUM	TOP	TOP OF PIPE
CU	COPPER	MBH	1000 BTUHR	TTS	TIGHT TO STEEL
CUH	CABINET UNIT HEATER	MD	MOTORIZED DAMPER	TV	TURNING VANE(S)
CV	CONTROL VALVE	ME	MECHANICAL ENGINEER	TYP	TYPICAL
CW	COLD WATER	MFR	MANUFACTURER	UH	UNIT HEATER
DC	DOUBLE CONTAINED	MIN	MINIMUM	UIC	UP IN CHASE
DDC	DIRECT DIGITAL CONTROL	MPV	MULTI-PURPOSE VALVE	UIW	UP IN WALL
DIA	DIAMETER	MTD	MOUNTED	UV	UNIT VENTILATOR
DIC	DOWN IN CHASE	MUA	MAKE UP AIR	VAV	VARIABLE AIR VOLUME BOX
DIW	DOWN IN WALL	NPW	NON-POTABLE WATER	VB	VACUUM BREAKER
DN	DOWN	NTS	NOT TO SCALE	VCFE	VALVED AND CAPPED FOR FUTURE
DT	DROP AND TRANSITION	OA	OUTSIDE AIR	VD	MANUAL VOLUME DAMPER
DWG	DRAWING	OBD	OPPOSED BLADE DAMPER	VFD	VARIABLE FREQUENCY DRIVE
DWH	DOMESTIC WATER HEATER	OED	OPEN ENDED DUCT	VRF	VARIABLE REFRIGERANT FLOW
EA	EXHAUST AIR	PAE	PROCESS ACID EXHAUST	VOC	VOLITILE ORGANIC COMPOUND
EF	EXHAUST FAN	PHE	PROCESS HEAT EXHAUST	VTR	VENT THROUGH ROOF
				W/	WITH

PIPING SYSTEMS



GENERAL NOTE:
 1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL MECHANICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

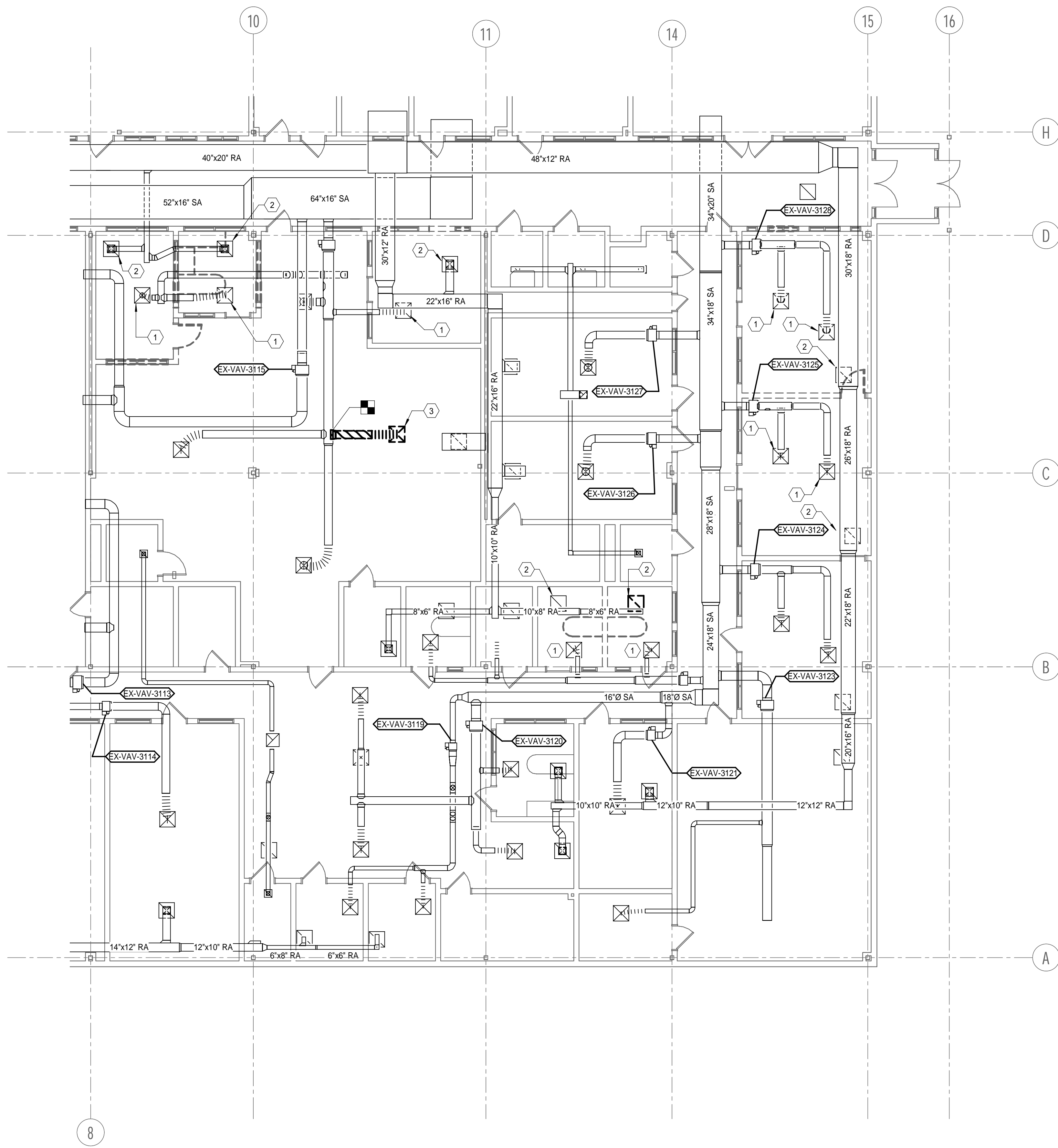
0	ISSUED FOR BID	10-21-20
REV	DESCRIPTION	DATE
ISSUED FOR BID 10-21-20		
CURRENT ISSUE STATUS:		
SMRT Architecture + Engineering + Planning SMRT Architects and Engineers 144 Fore Street/P.O. Box 618 Portland, Maine 04104 1.877.700.7678 www.smrtinc.com		
MAINE STATE PRISON DORIS BUFFET HIGHER EDUCATION CENTER RENOVATIONS 807 Cushing Rd. Warren, ME 04864		
MECHANICAL LEGEND AND ABBREVIATIONS		
SHEET TITLE:		
SCALE: AS NOTED		
PROJECT MANAGER: JGJ	PROJECT NO: 20560	
A/E OF RECORD: KME		
JOB CAPTAIN: BLS		
DRAWN BY: DCG		
SMRT FILE: M-001-20560	SHEET No.	M-001

NOTES:

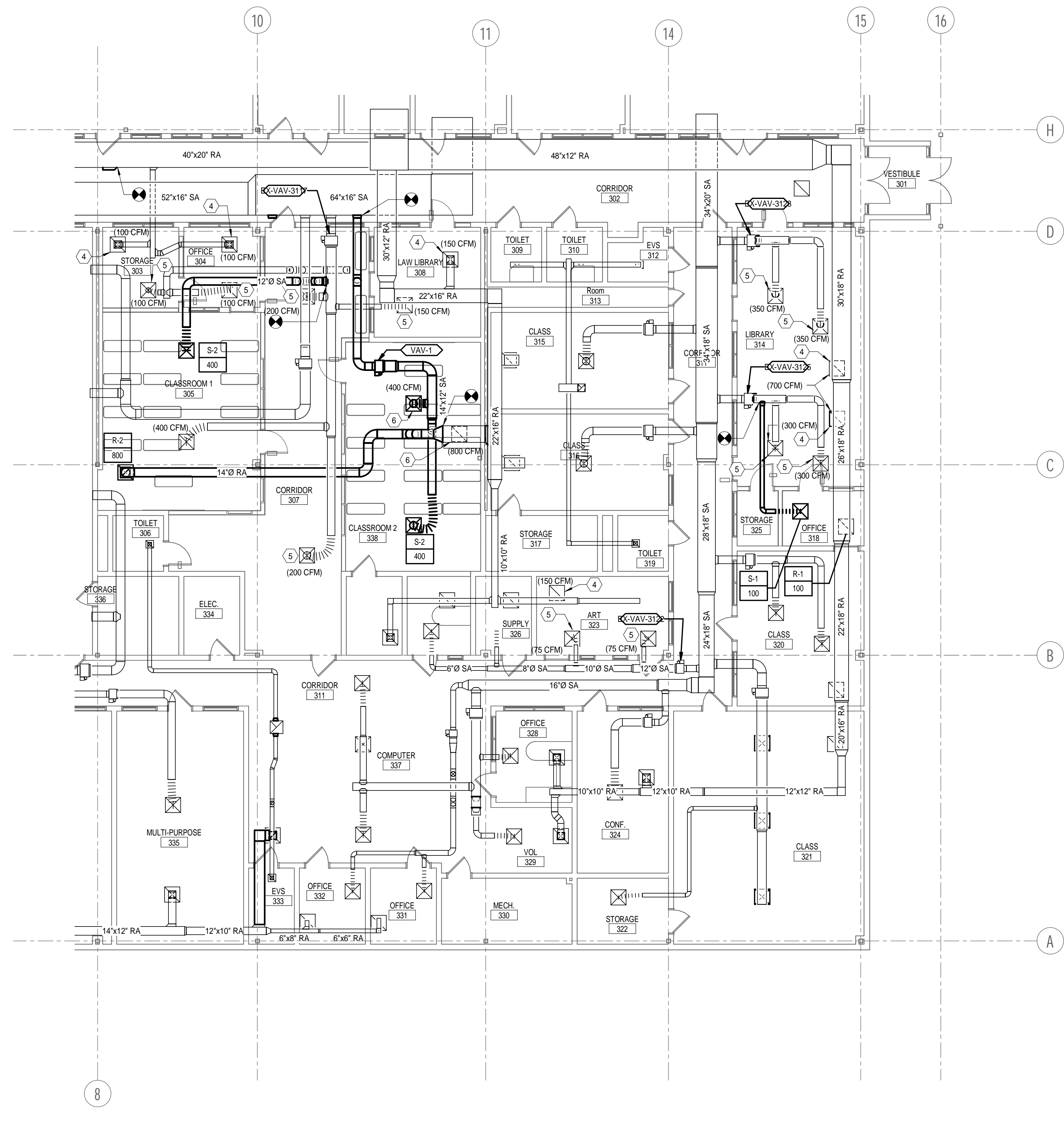
1. SEE SHEET M-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. ADD ALTERNATE: ALL EXISTING TO REMAIN DIFFUSERS AND GRILLES INSIDE THE AREA OF WORK SHALL BE REMOVED, CLEANED AND REINSTALLED IN NEW CEILING IN LOCATION INDICATED ON FLOOR PLAN.

KEYNOTES

KEYNOTE	KEYNOTE DESCRIPTION
1	EXISTING SUPPLY AIR DIFFUSER TO REMAIN. REFER TO DUCTWORK PLAN FOR AIRFLOW RATE FOR BALANCING.
2	EXISTING RETURN AIR GRILLE TO REMAIN. REFER TO DUCTWORK PLAN FOR AIRFLOW RATE FOR BALANCING.
3	EXISTING SUPPLY AIR DIFFUSER TO BE RELOCATED.
4	BALANCE RETURN GRILLE TO AIRFLOW RATE INDICATED.
5	BALANCE SUPPLY AIR DIFFUSER TO AIRFLOW RATE INDICATED.
6	PROVIDE RELOCATED SUPPLY AIR DIFFUSER WITH 1/2" BRANCH DUCT AND BALANCE TO 400 CFM.



LEVEL 1 - MECHANICAL DUCTWORK DEMO PLAN (A10)
1/8" = 1'-0"

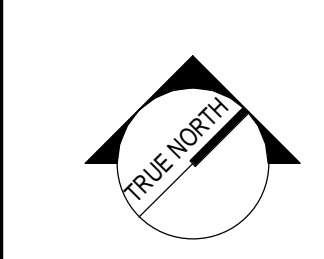


LEVEL 1 - MECHANICAL DUCTWORK PLAN (A1)
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
10-21-20

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PROJECT NORTH:
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**LEVEL 1 - MECHANICAL
DUCTWORK DEMO AND NEW
WORK PLANS**

SHEET TITLE:



SCALE: AS NOTED

PROJECT MANAGER: JGJ PROJECT NO: 20560

A/E OF RECORD: KME

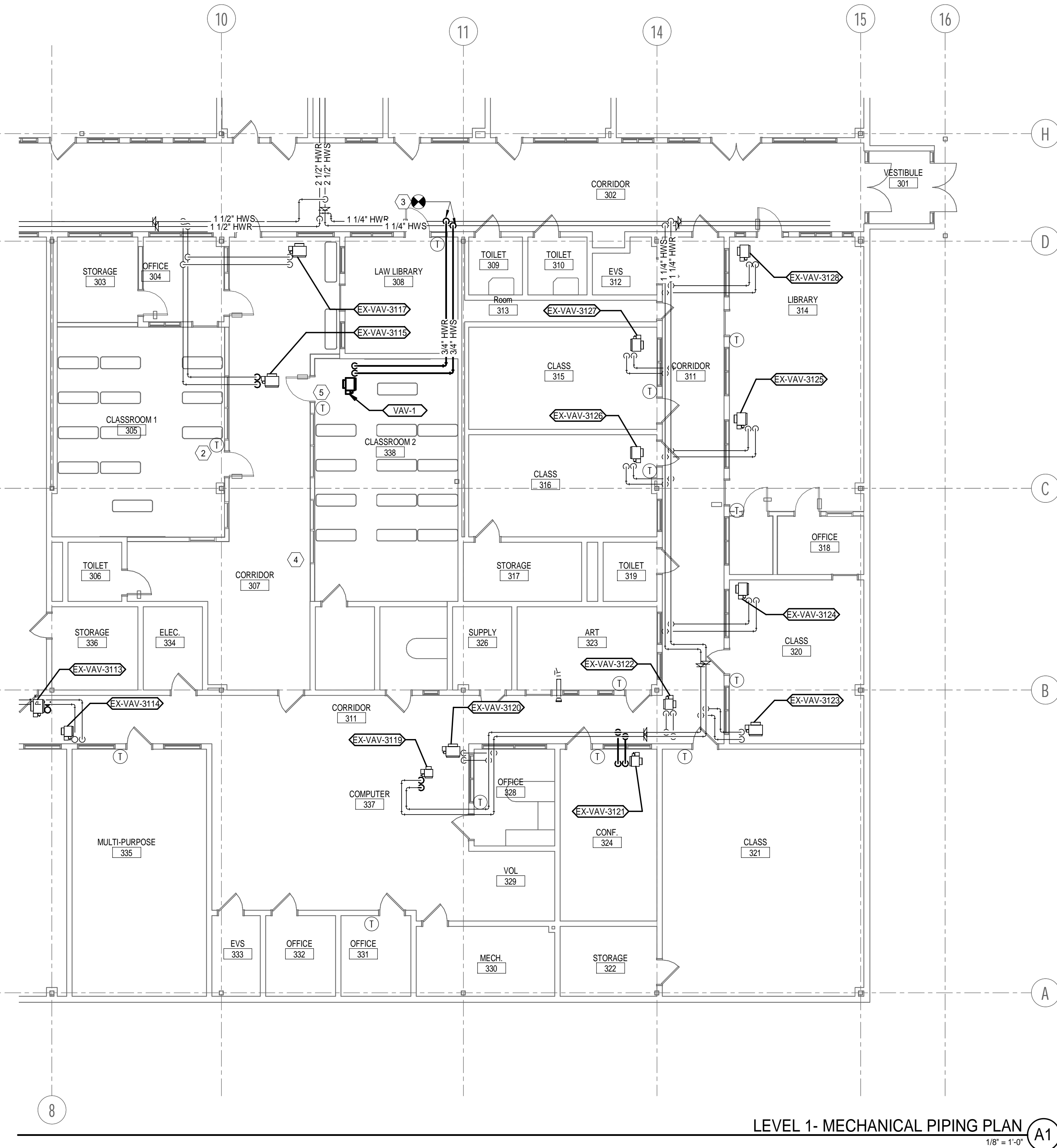
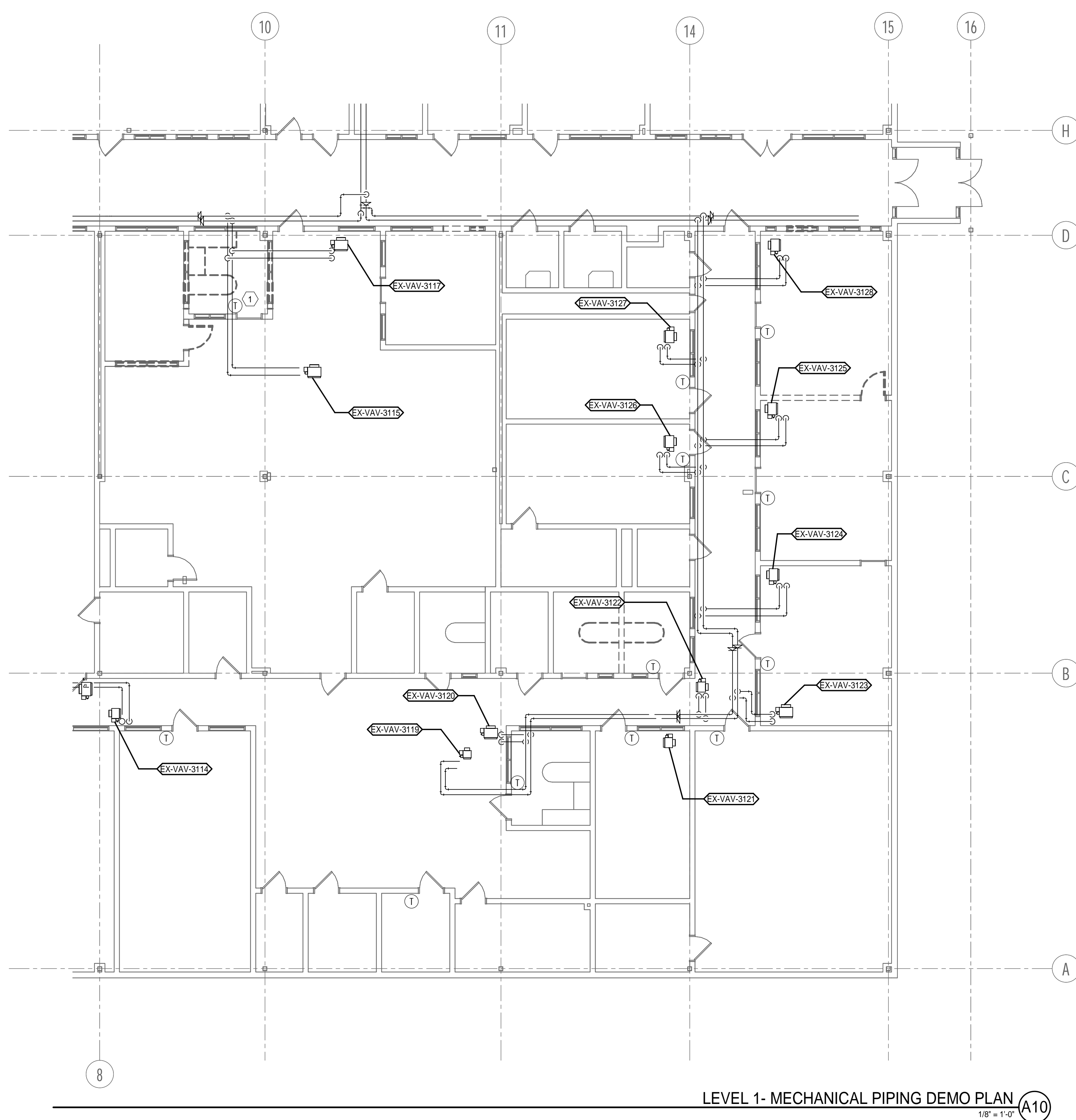
JOB CAPTAIN: BLS

DRAWN BY: DCG

SMRT FILE: MH101-20560 SHEET NO. **MH101**

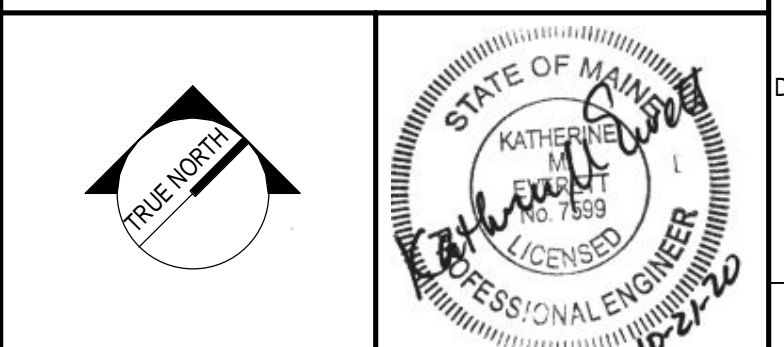
NOTES:
 1. SEE SHEET M-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

KEYNOTE	
KEYNOTE	KEYNOTE DESCRIPTION
1	EXISTING WALL MOUNTED THERMOSTAT TO BE REMOVED AND RELOCATED.
2	EXISTING RELOCATED THERMOSTAT.
3	CONNECT NEW HWS AND HWR BRANCH PIPING TO EXISTING MAINS.
4	VAV BOX SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. MAINTAIN ALL REQUIRED CLEARANCES FOR ACCESS AND SERVICES.
5	PROVIDE NEW WALL MOUNTED DDC TEMPERATURE SENSOR TO MATCH EXISTING.



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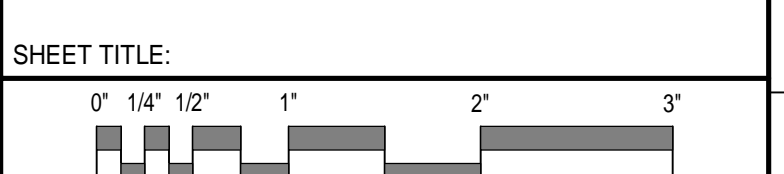
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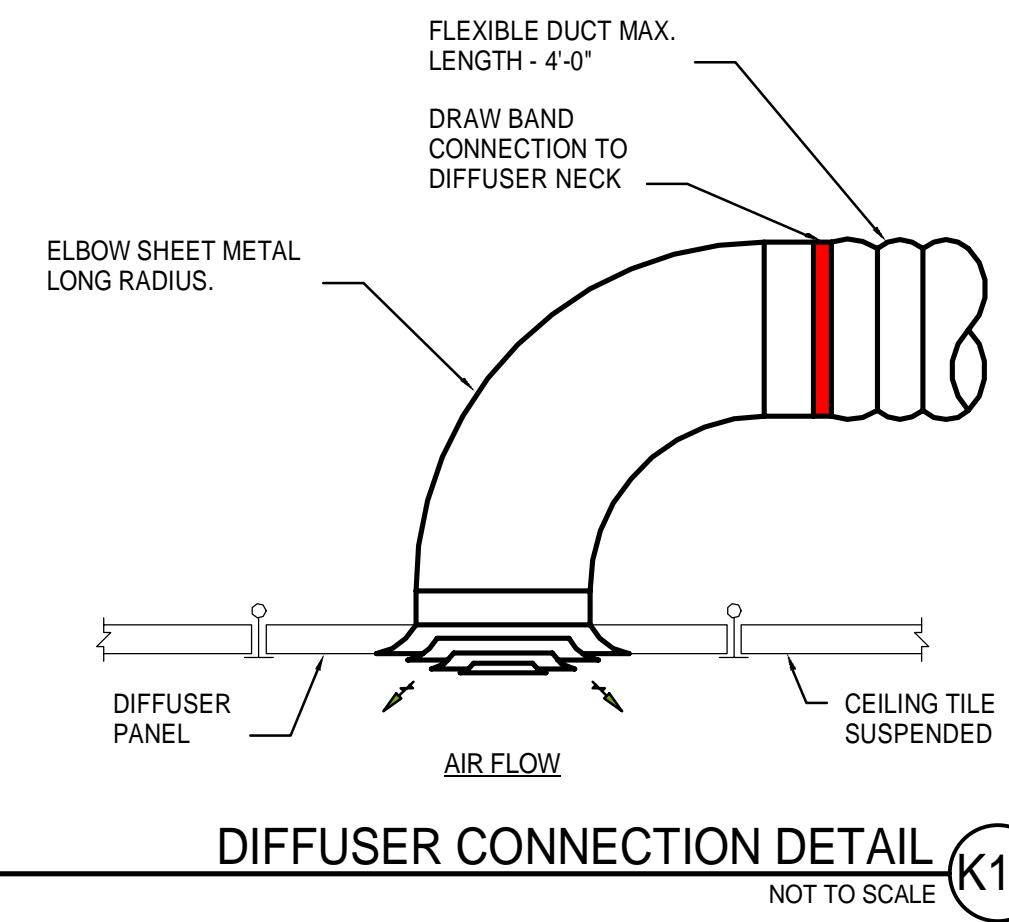
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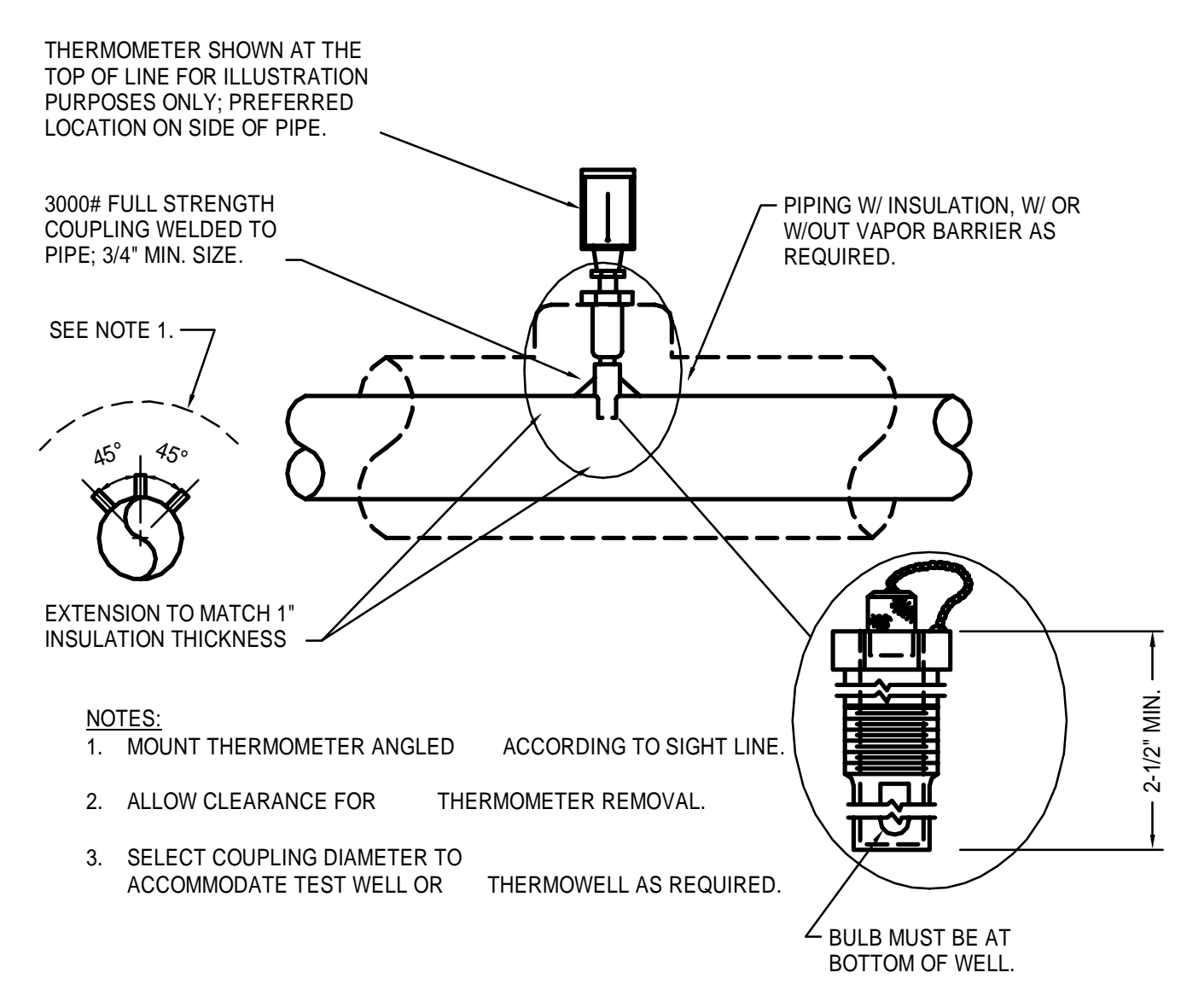
**LEVEL 1 - MECHANICAL PIPING
 DEMO AND NEW WORK PLANS**



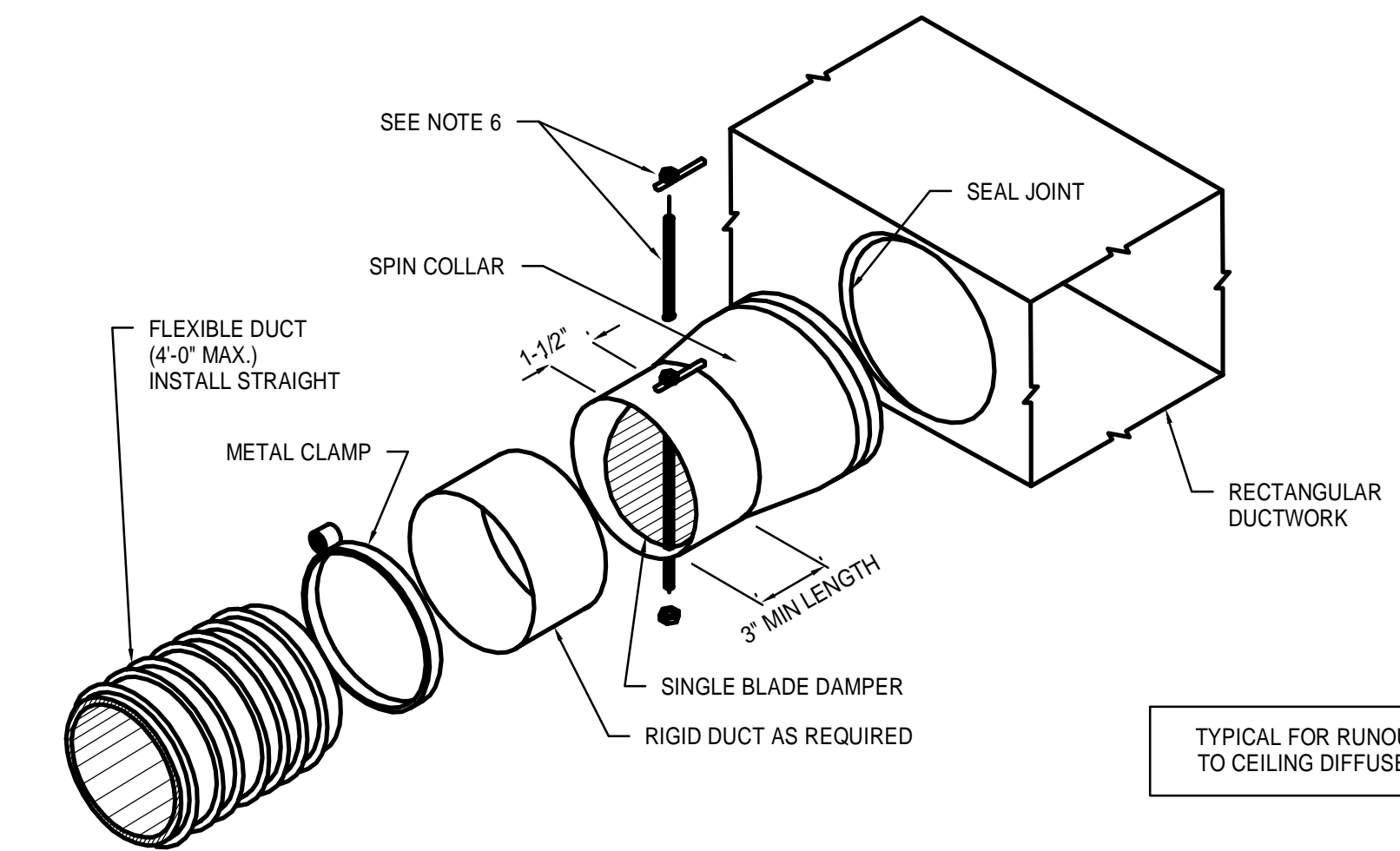
SCALE: AS NOTED	PROJECT NO: 20960
PROJECT MANAGER: JGJ	AVE OF RECORD: KME
JOB CAPTAIN: BLS	DRAWN BY: DCG
SMRT FILE: MP101-20960	SHEET No. MP101



DIFFUSER CONNECTION DETAIL (K13)
NOT TO SCALE

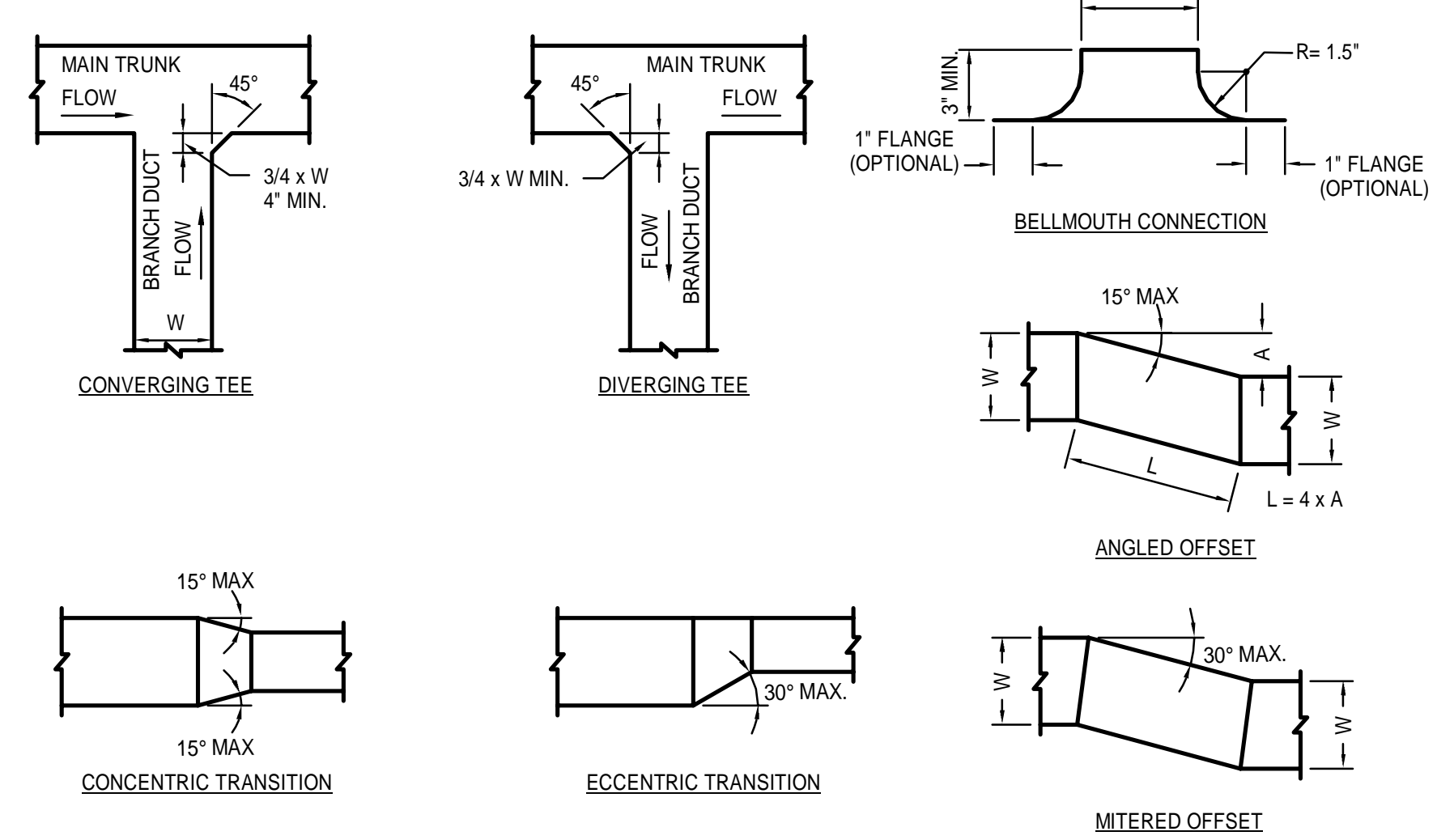


THERMOMETER AND THERMOWELL INSTALLATION DETAIL (F13)
NOT TO SCALE

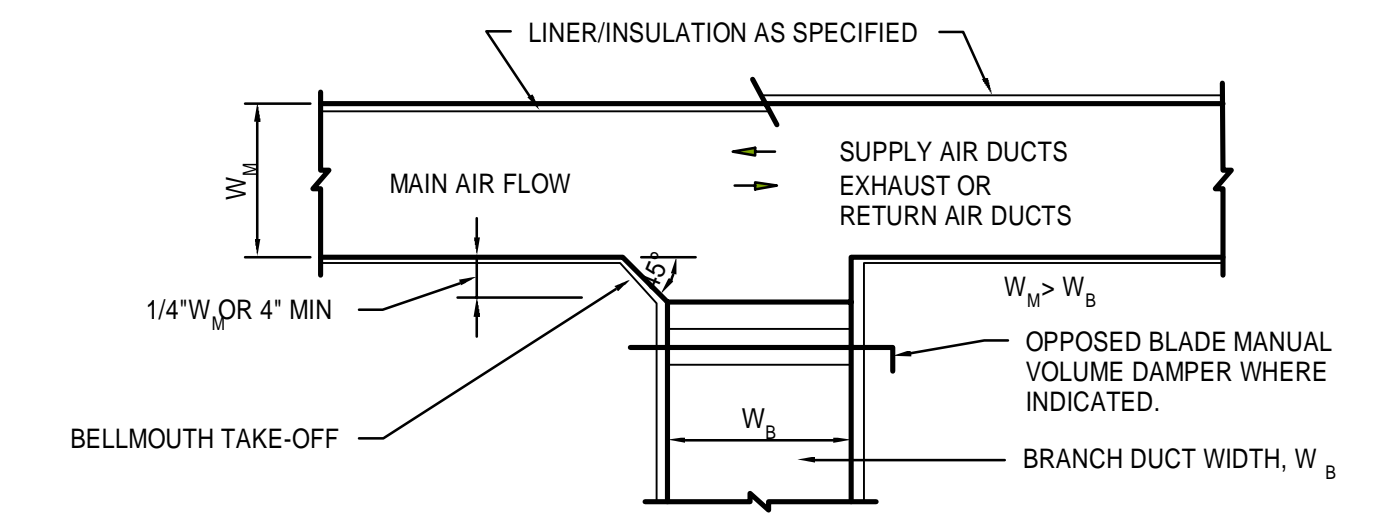


- NOTES:**
- SUPPORT IN ACCORDANCE W/ SMACNA GUIDELINES.
 - BAND FLEX TO COLLAR 1/2" MINIMUM FROM OUTBOARD END OF COLLAR.
 - INSTALL SPIN COLLAR DAMPER IN OPEN POSITION; FINAL ADJUSTMENT BY TESTING AND BALANCING CONTRACTOR.
 - POP RIVET OR SHEET METAL SCREWS, MINIMUM 3 EA AT 120" INTERVALS, CONNECTING STOVEPIPE TO COLLAR. ENSURE RIVETS OR SCREWS DO NOT INTERFERE W/DAMPER.
 - SEAL JOINTS TO PREVENT LEAKAGE USE SPECIFIED SEALANTS.
 - INSTALL LOCKING QUADRANT AND HANDLE ON BOTTOM OF DUCT FOR EASY SERVICE (SHOWN ON TOP FOR EASE OF ILLUSTRATION ONLY).

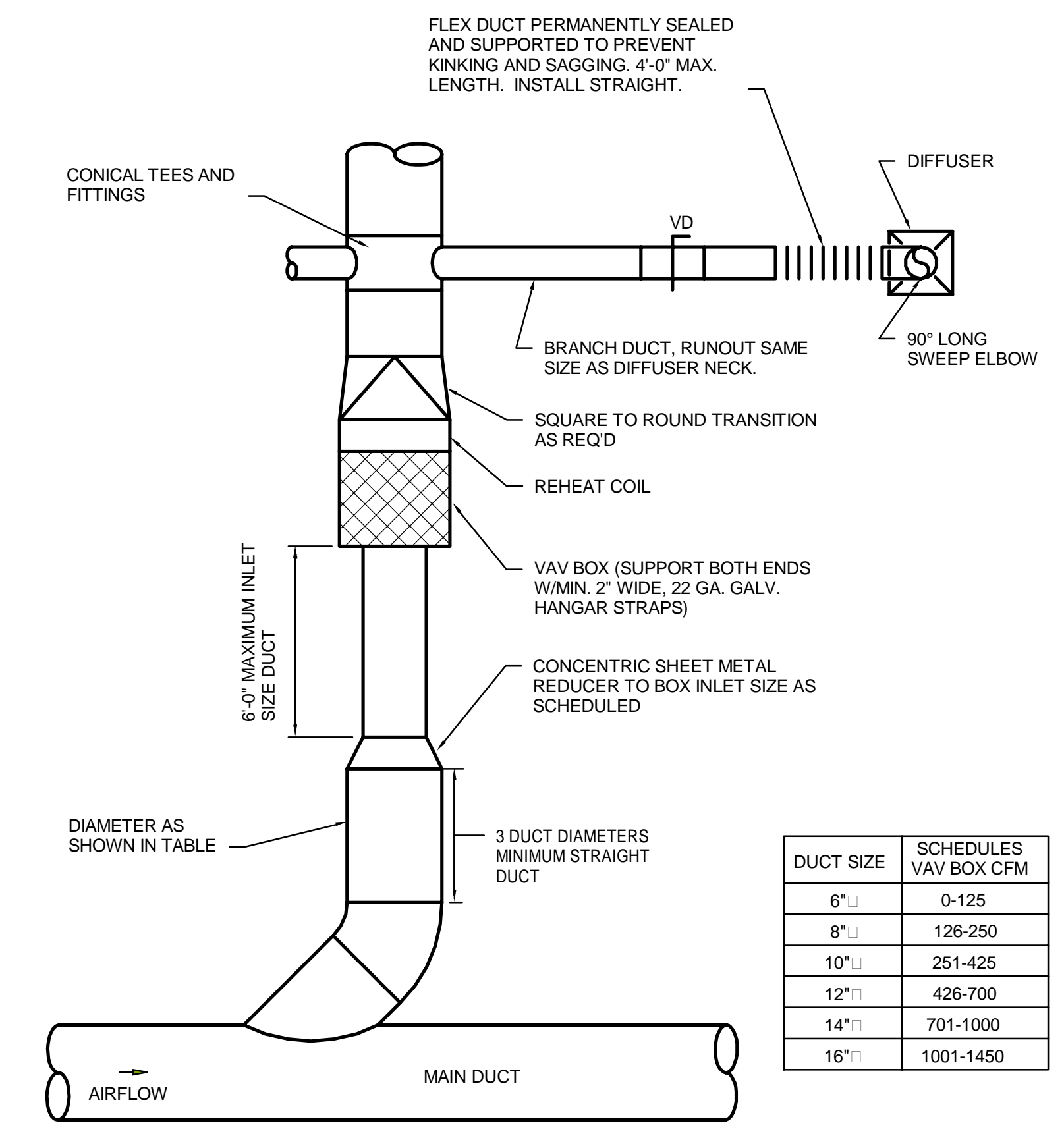
SPIN COLLAR DUCT CONNECTOR WITH DAMPER DETAIL (K7)
NOT TO SCALE



DUCT TRANSITION DETAILS (F7)
NOT TO SCALE

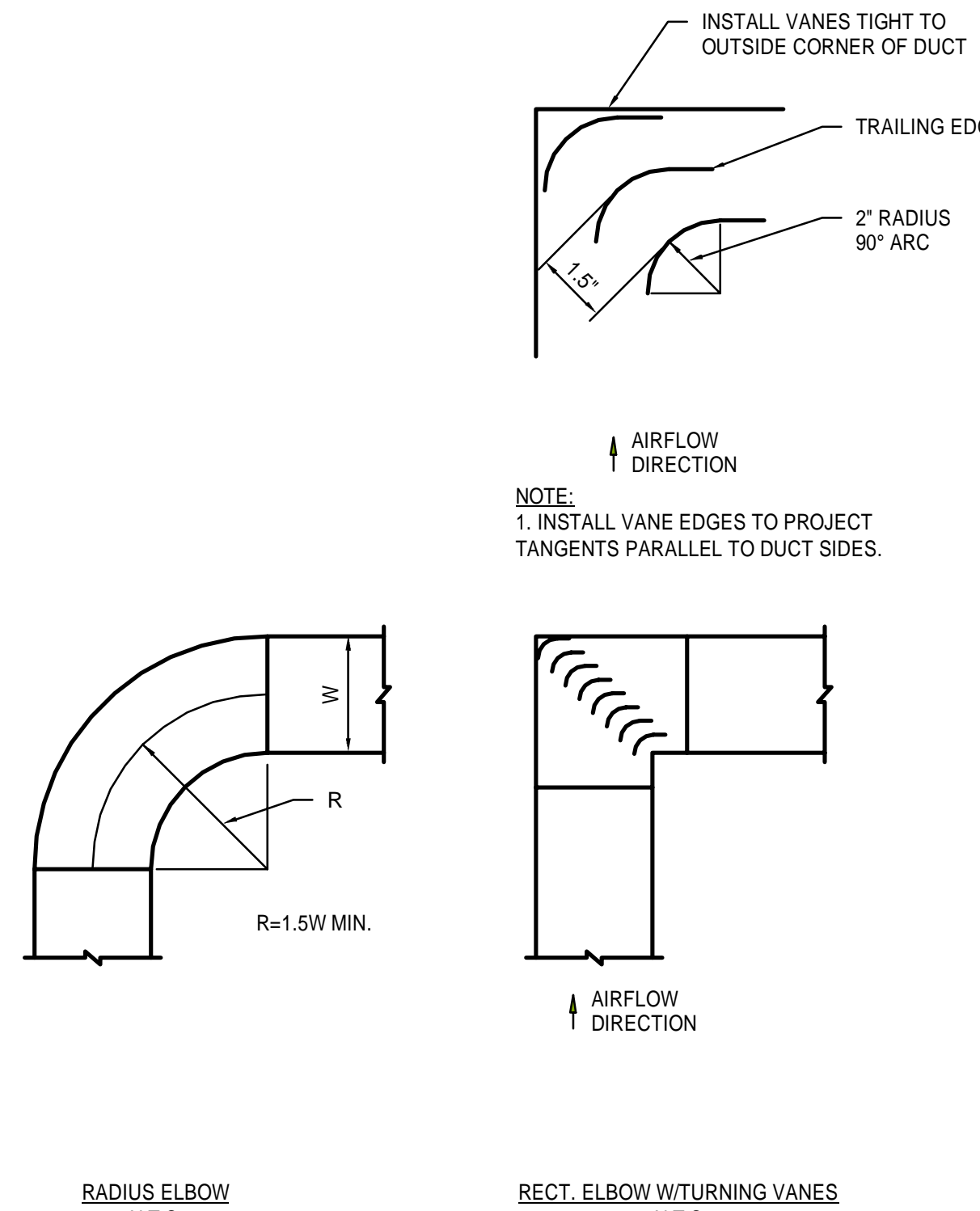


RECTANGULAR DUCT MAIN AND BRANCH TAKE OFFS DETAIL (M1)
NOT TO SCALE

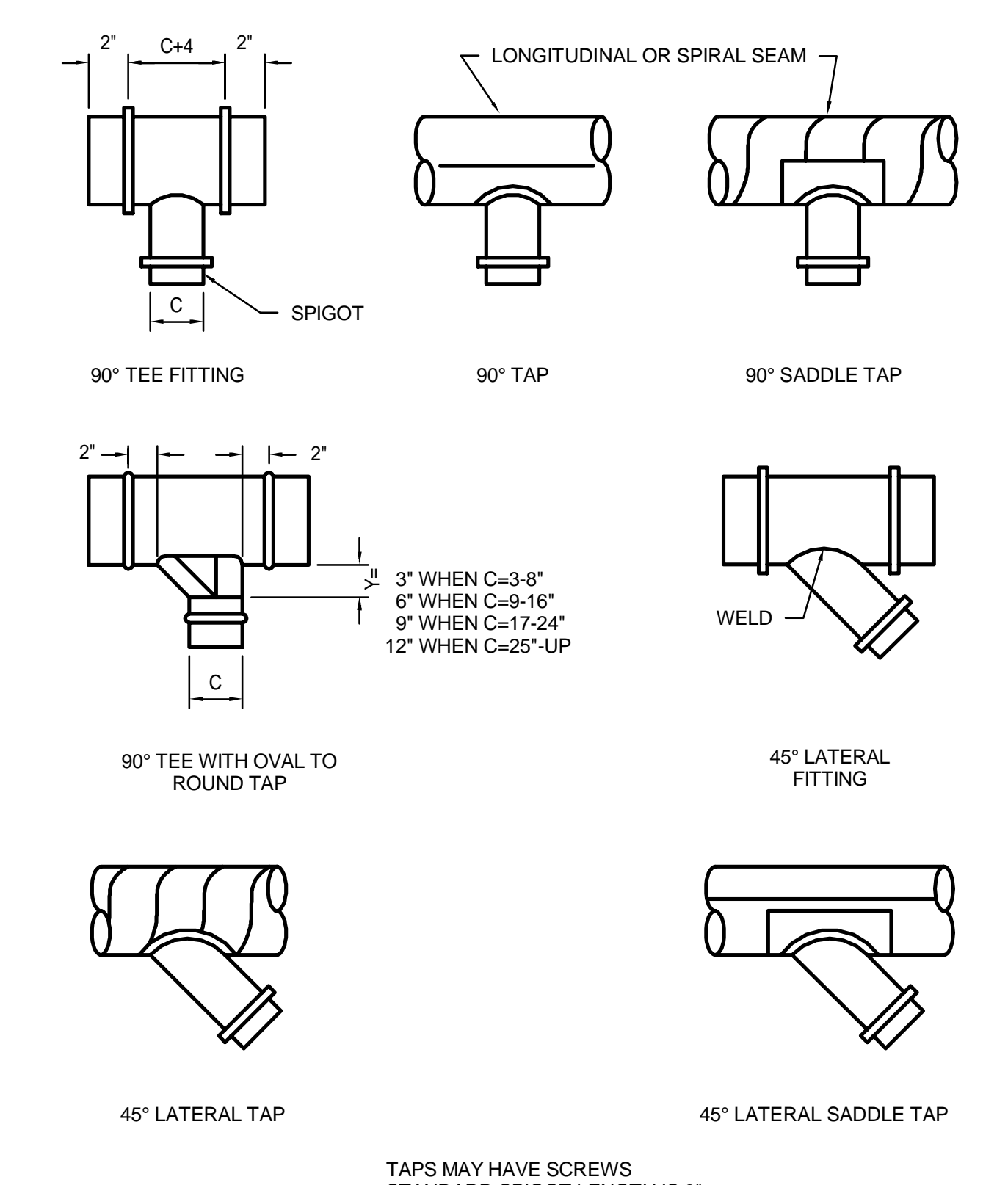


DUCT SIZE	SCHEDULES VAV BOX CFM
6"	0-125
8"	126-250
10"	251-425
12"	426-700
14"	701-1000
16"	1001-1450

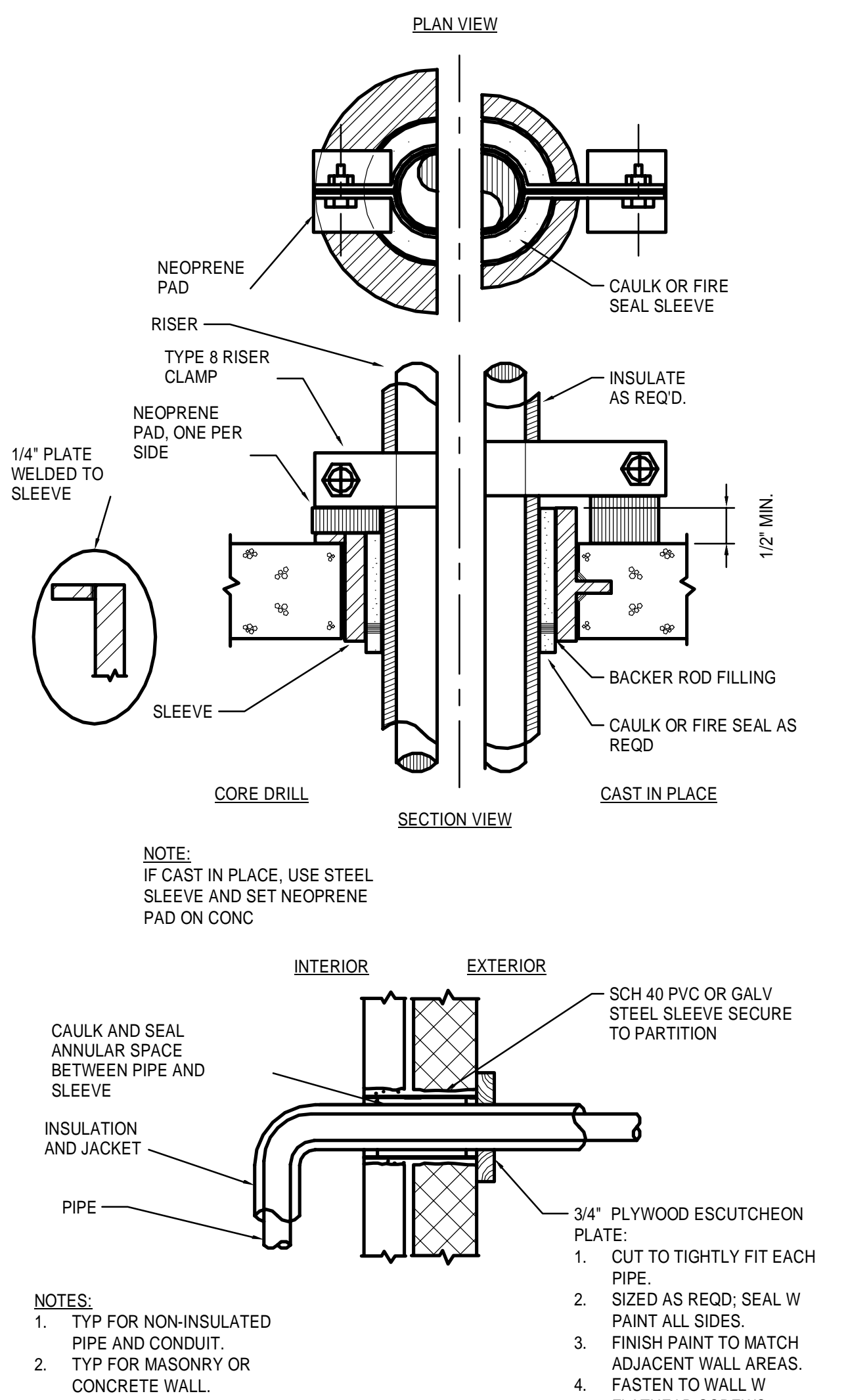
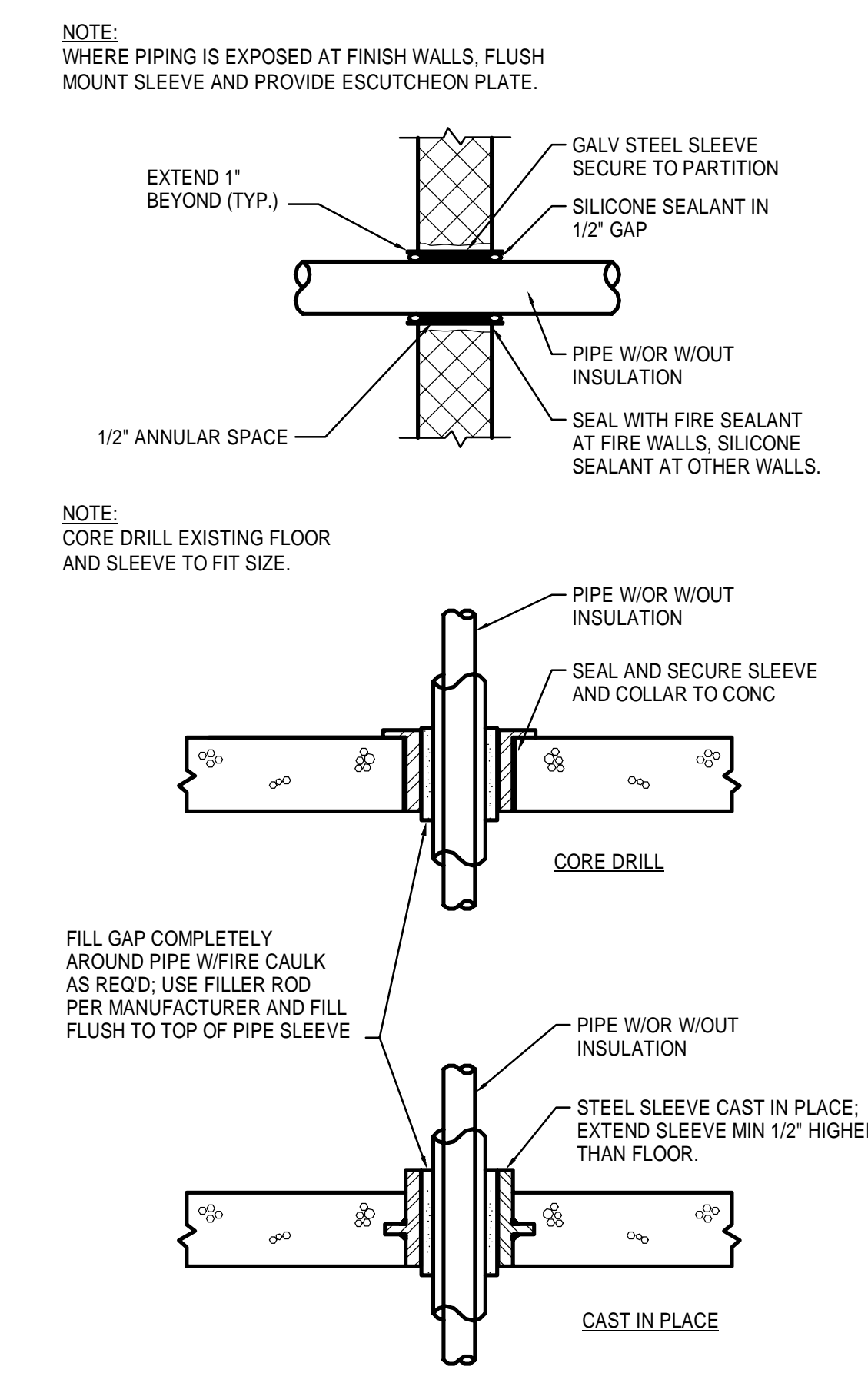
VAV BOX SCHEMATIC (G1)
NOT TO SCALE



LOW PRESSURE DUCT ELBOWS - TYPICAL DETAIL (A14)
NOT TO SCALE



TEES AND LATERALS DETAIL (A9)
NOT TO SCALE



- NOTES:**
- TYP FOR NON-INSULATED PIPE AND CONDUIT.
 - TYP FOR MASONRY OR CONCRETE WALL.

PIPE PENETRATION DETAILS (A1)
NOT TO SCALE

NOTES:
1. SEE SHEET M-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

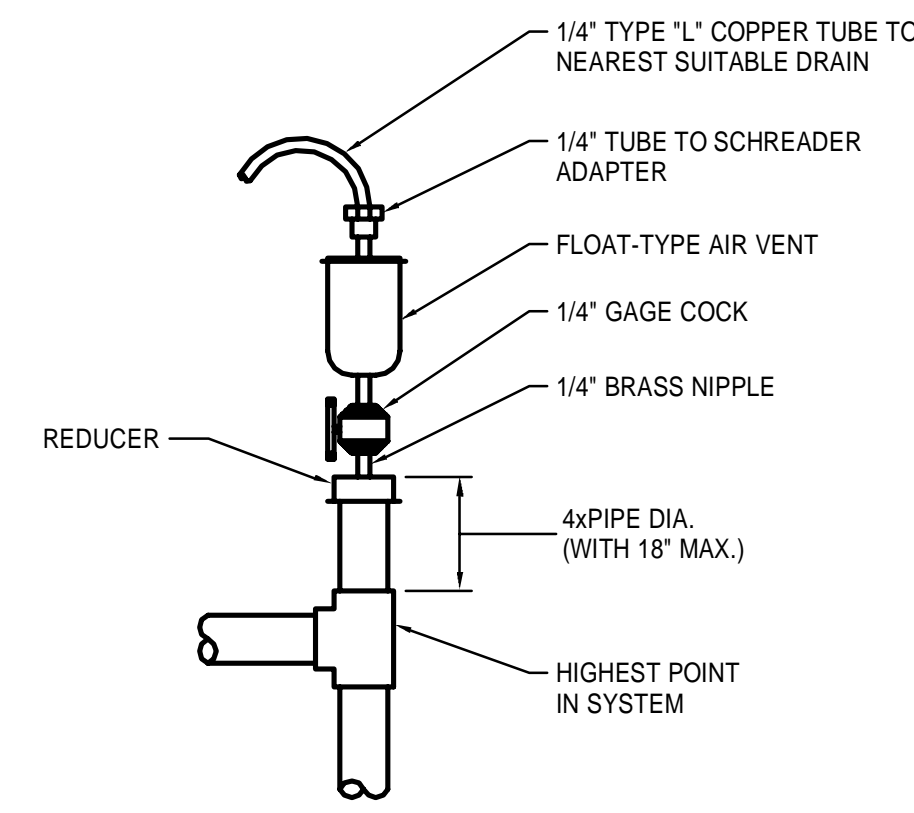
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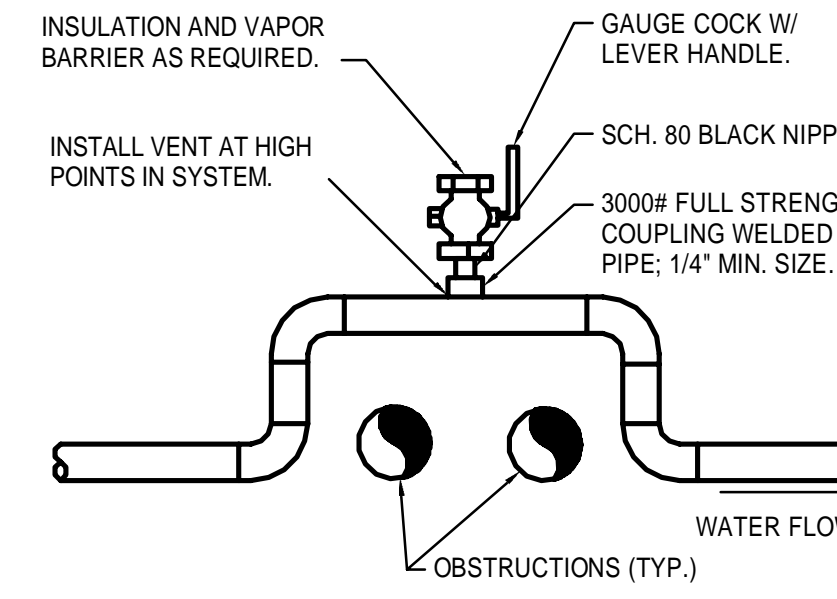
MAINE STATE PRISON DORIS BUFFET HIGHER EDUCATION CENTER RENOVATIONS
807 Cushing Rd. Warren, ME 04864
MECHANICAL DETAILS

SHEET TITLE:
SCALE: AS NOTED
PROJECT NO: 20560
PROJECT MANAGER: JGJ
A/E OF RECORD: KME
JOB CAPTAIN: BLS
DRAWN BY: DCG
SMRT FILE: M-501-20560
M-501
SHEET No. 20560

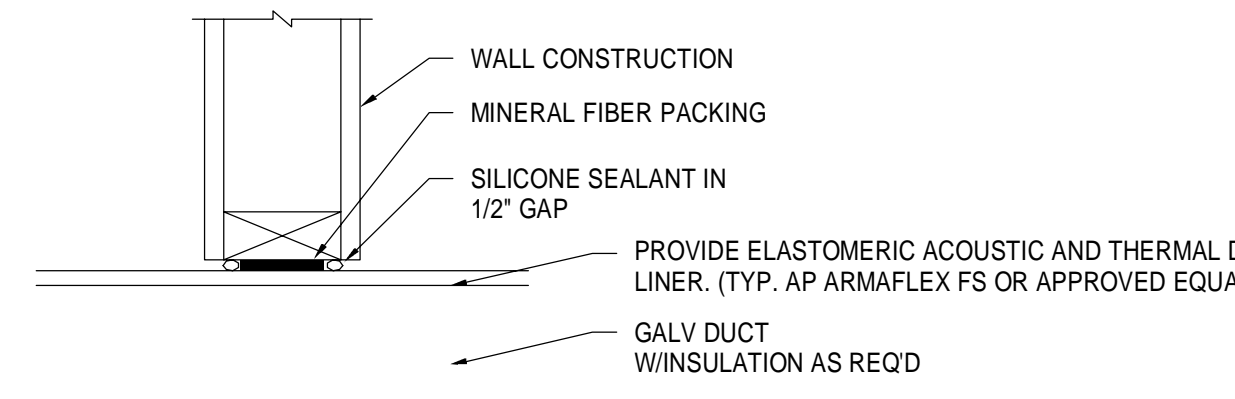
NOTES:
 1. SEE SHEET M-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.



AUTOMATIC AIR VENT DETAIL (L5)
 NOT TO SCALE

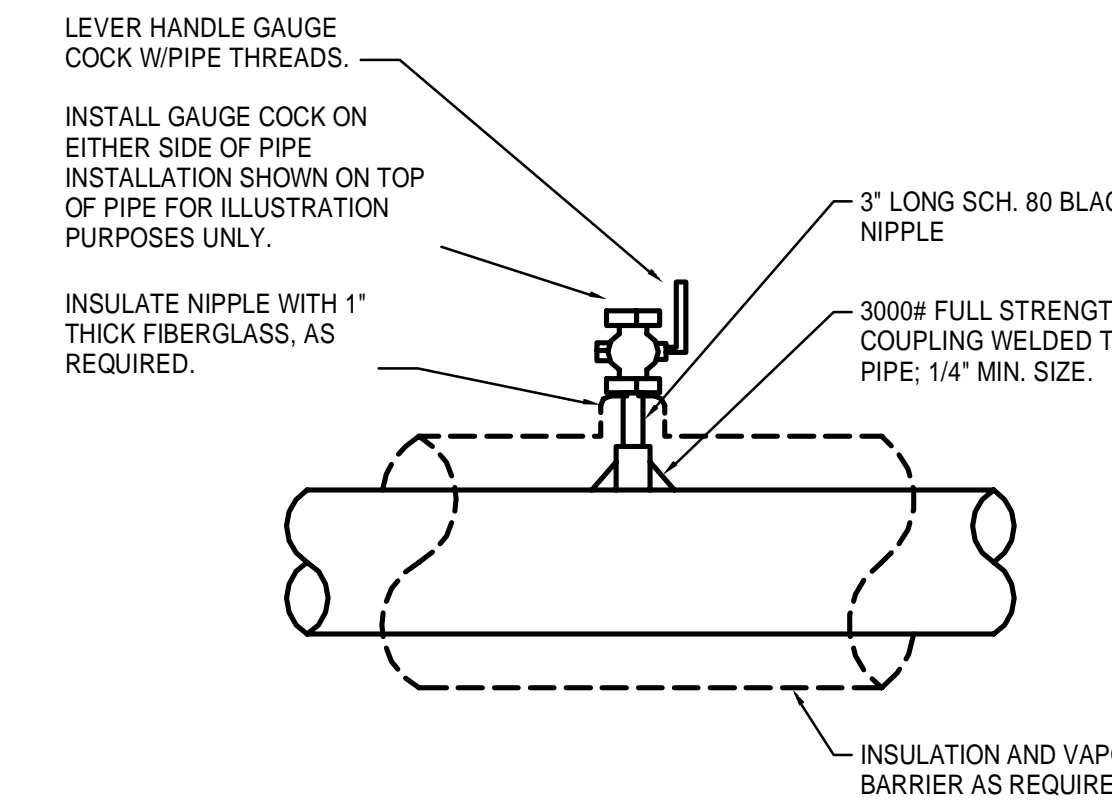


HIGH POINT MANUAL AIR VENT DETAIL (L1)
 NOT TO SCALE



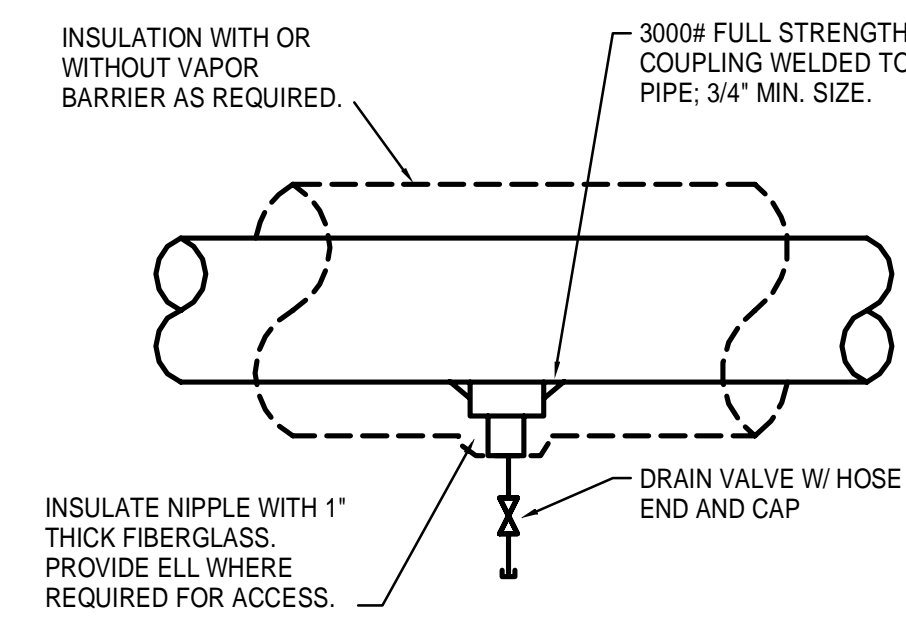
- NOTES:**
1. DRYWALL, METAL STUDS OR ANY OTHER RIGID MATERIAL MUST NOT TOUCH DUCT.
 2. SUPPORT DUCT FROM HANGERS ON EITHER SIDE OF WALL. DO NOT LET DUCT "LOAD" ONTO WALL.
 3. PENETRATION MUST BE SEALED 100% AIR TIGHT.
 4. USE FIRE SEALANT AT FIRE WALLS.

METAL DUCT WALL PENETRATION DETAIL (H5)
 NOT TO SCALE

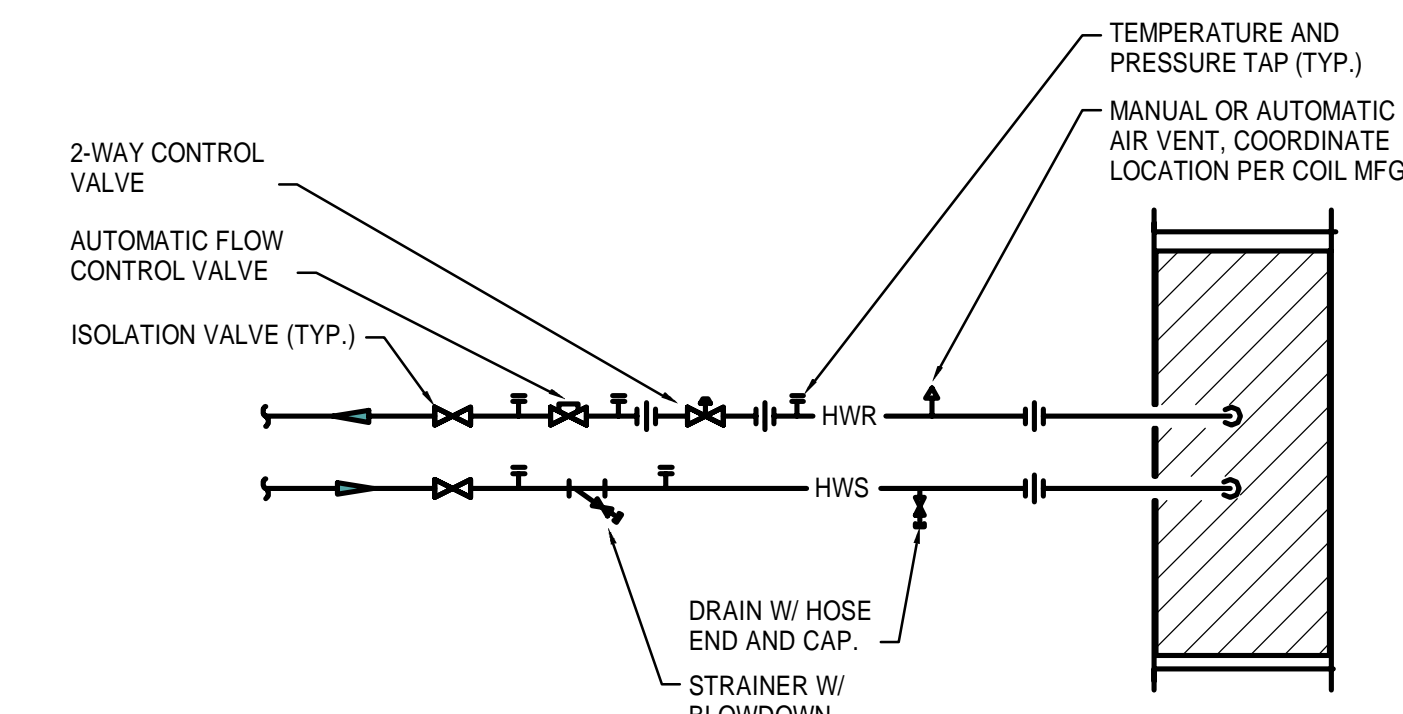


- NOTE:**
 1. COCK REQUIRED FOR ALL THERMOMETERS AND GAUGES.

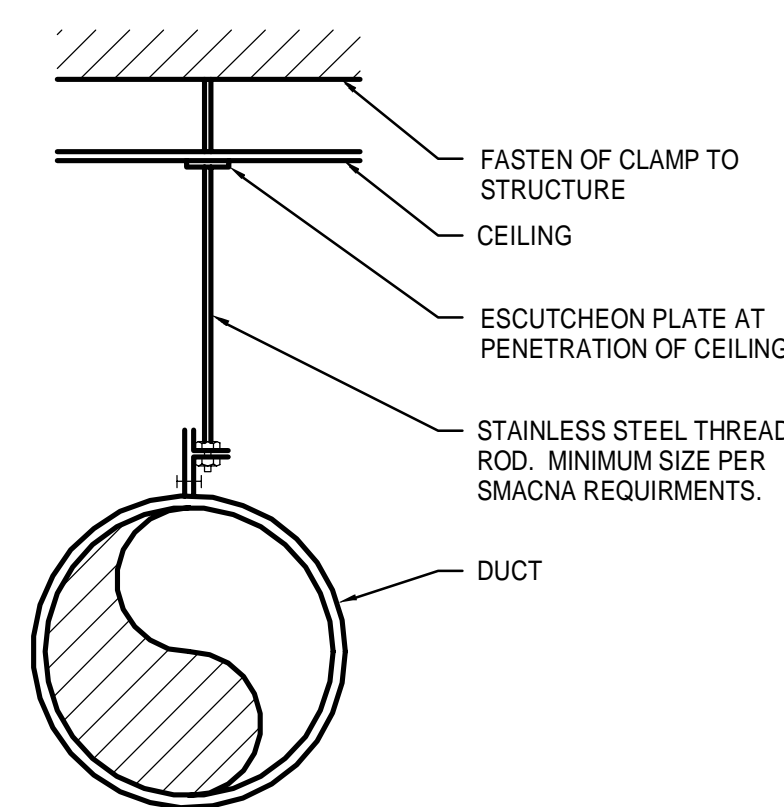
GAUGE COCK INSTALLATION DETAIL (H1)
 NOT TO SCALE



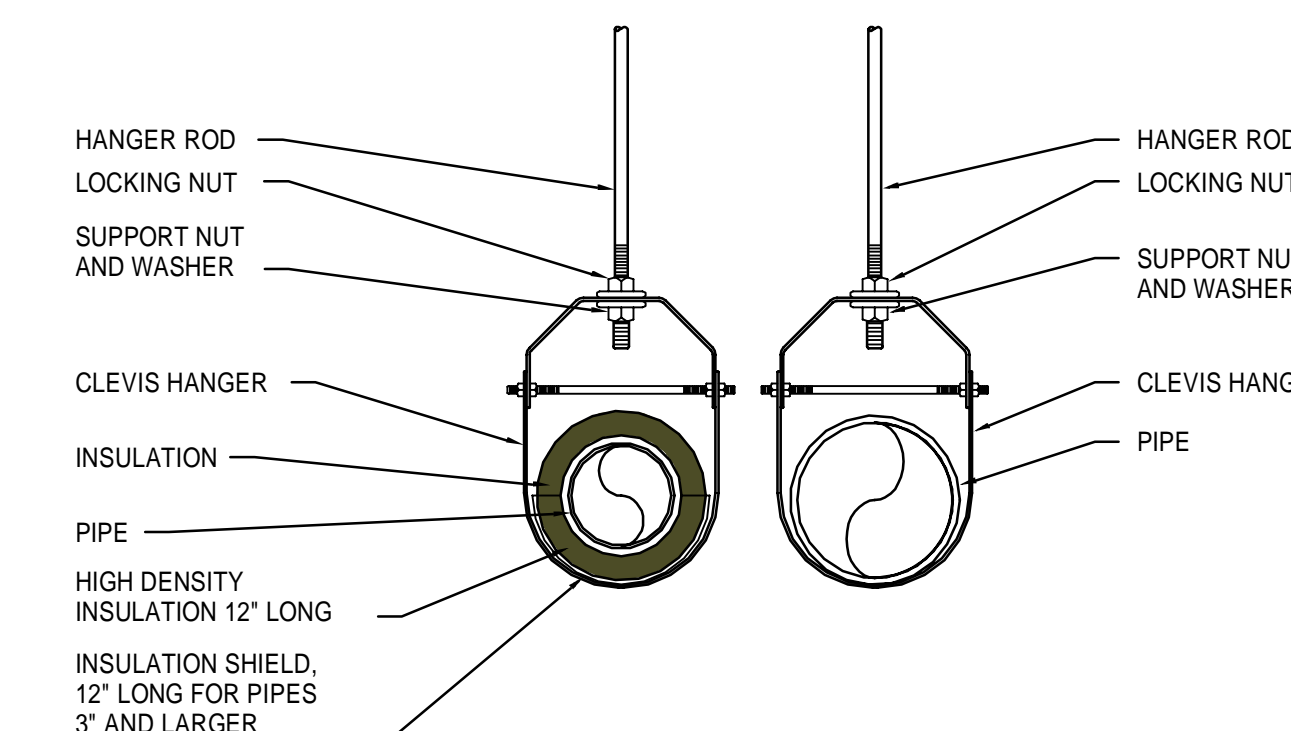
DRAIN VALVE INSTALLATION DETAIL (E5)
 NOT TO SCALE



HOT WATER COIL PIPING DETAIL (E1)
 NOT TO SCALE



DUCT HANGER DETAIL (A5)
 NOT TO SCALE



HANGER ROD SCHEDULE				HANGER ROD SPACING			
PIPE SIZE	ROD SIZE			PIPE SIZE	MAX. ALLOWABLE SPACING		
	COPPER	STEEL	PP-RCT		COPPER	STEEL	PP-RCT
UP TO 2"	3/8" DIA.	3/8" DIA.	3/8" DIA.	3/4"	5'	7'	2-3'
2 1/2" THRU 3"	1/2" DIA.	1/2" DIA.	1/2" DIA.	1"	6'	7'	2-3'
				1 1/4"	7'	7'	4'
				1 1/2"	8'	9'	4'
				2"	8'	10'	4'
				2 1/2"	9'	11'	4'
				3"	10'	12'	4'

CLEVIS PIPE HANGER DETAIL (A1)
 NOT TO SCALE

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MECHANICAL DETAILS

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
A/E OF RECORD:	KME		
JOB CAPTAIN:	BLS		
DRAWN BY:	DCG		
SMRT FILE:	M-502-20560	SHEET NO.:	M-502

CONTROL SYMBOLS

	CARBON DIOXIDE SENSOR		FAN
	CARBON MONOXIDE SENSOR		PUMP
	CURRENT SENSOR		MOTOR STARTER
	DIFFERENTIAL PRESSURE SENSOR		PRE-FILTER (MERV 8)
	DEW POINT SENSOR		MID-FILTERS (MERV 13)
	LEAK DETECTOR		FINAL FILTERS (MERV 14 OR 15)
	MOISTURE (HUMIDITY) SENSOR		HEATING COIL
	NITROGEN DIOXIDE SENSOR		COOLING COIL
	OCCUPANCY SENSOR		DIRECT EXPANSION COIL
	OPTICAL SENSOR		PRE HEAT COIL
	OXYGEN SENSOR		ELECTRIC COIL
	PARTICLE COUNTER		ENERGY RECOVERY COIL
	SMOKE DETECTOR		GAS HEATER
	STATIC PRESSURE SENSOR		
	TEMPERATURE SENSOR		
	TEMPERATURE SENSOR - WITH AVERAGING ELEMENT		
	THERMOSTAT - ROOM / SPACE TEMPERATURE SENSOR		
	WATER LEVEL SENSOR		
	AIR FLOW SWITCH		
	AIR PROVING SWITCH		
	ALARM		
	DIFFERENTIAL PRESSURE SWITCH		
	SAIL SWITCH		
	ELECTRONIC TO PNEUMATIC TRANSDUCER		
	END SWITCH		
	FLOW MONITORING STATION		
	(FREEZE/STAT) TEMPERATURE SWITCH		
	FLOW SWITCH		
	HUMIDIFIER		
	HIGH LIMIT DUCT HUMIDISTAT		
	FIRE / SMOKE DAMPER (COMBINATION)		
	MOTORIZED DAMPER		
	PRESSURE SWITCH - HIGH LIMIT		
	PRESSURE SWITCH - LOW LIMIT		
	SMOKE DAMPER		
	START / STOP		
	VARIABLE FREQUENCY DRIVE		
	CONTROL VALVE - MODULATING		
	CONTROL VALVE - TWO POSITION		
	CONTROL VALVE THREE WAY - MODULATING		
	CONTROL VALVE THREE WAY - TWO POSITION		
	SOLENOID VALVE		

GENERAL SYMBOLS

INDICATES DUCT PIPING EQUIPMENT TO BE REMOVED.

LIMITS OF DEMOLITION

CONNECT TO EXISTING

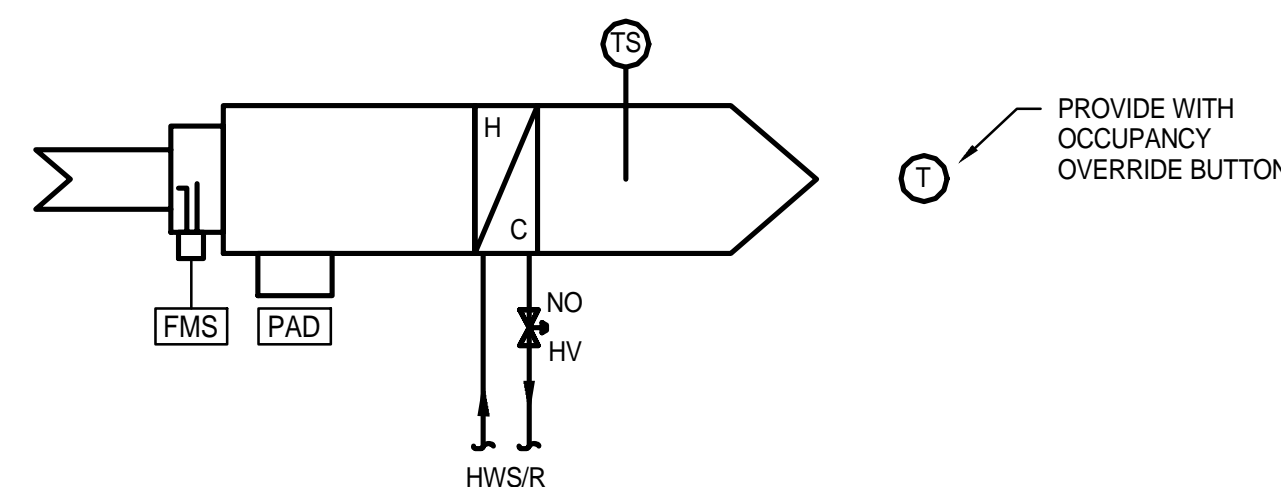
EQUIPMENT ABBREVIATION (EF=EXHAUST FAN) EQUIPMENT NO.

EQUIPMENT TAG

DETAIL NO. SHEET NO. WHERE DETAIL IS LOCATED

ABBREVIATIONS

ACC	AIR COOLED CONDENSER	H & V	HEATING AND VENTILATION
ACCU	AIR COOLED CONDENSING UNIT	HVAC	HEATING, VENTILATION & AIR CONDITIONING
ACU	AIR CONDITIONING UNIT	HW	HOT WATER
ACV	AUTOMATIC CONTROL VALVE	HX	HEAT EXCHANGER
AD	ACCESS DOOR	IN WG	INCHES WATER GAUGE
AE	ACID EXHAUST	MA	MIXED AIR
AFF	ABOVE FINISHED FLOOR	MAU	MAKE UP AIR UNIT
AFMS	AIR FLOW MEASURING STATION	MAX	MAXIMUM
AHU	AIR HANDLING UNIT	MBH	1000 BTU/HR.
ATC	AUTOMATIC TEMPERATURE CONTROL	ME	MECHANICAL ENGINEER
BDD	BACKDRAFT DAMPER	MFR	MANUFACTURER
BMS	BUILDING MANAGEMENT SYSTEM	MIN	MINIMUM
BTU	BRITISH THERMAL UNIT	MD	MOTOR OPERATED DAMPER
BLDG	BUILDING	MPV	MULTI-PURPOSE VALVE
CBD	COUNTER BALANCED DAMPER	MTD	MOUNTED
CFM	CUBIC FEET PER MINUTE	MUA	MAKE UP AIR
CLG	CEILING	NPW	NON-POTABLE WATER
CONT	CONTINUATION	NTS	NOT TO SCALE
COORD	COORDINATE	OA	OUTSIDE AIR
CP	CONDENSATE PUMP & RECEIVER	OB	OPPOSED BLADE DAMPER
CT	COOLING TOWER	OED	OPEN ENDED DUCT
CTE	CONNECT TO EXISTING	PPE	PRE PURCHASED EQUIPMENT
CU	COPPER	PRS	PRESSURE REDUCING STATION
CUH	CABINET UNIT HEATER	PRV	PRESSURE REDUCING VALVE
CV	CONTROL VALVE	PVD	PNEUMATIC VOLUME DAMPER
CW	COLD WATER	(R)	REMOVE
DC	DOUBLE CONTAINED	RA	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	RCP	RADIANT CEILING PANEL
DIA	DIAMETER	(REL.)	RELOCATED
DWG	DRAWING	RF	RETURN FAN
DWH	DOMESTIC WATER HEATER	RHC	REHEAT COIL
EA	EXHAUST AIR	RM	ROOM
EF	EXHAUST FAN	SA	SUPPLY AIR
(E)	EXISTING	SCV	SELF CONTAINED VALVE
EXIST.	EXISTING	SD	SMOKE DETECTOR
FBO	FURNISHED BY OWNER	SF	SUPPLY FAN
FBP	FACE AND BYPASS	SG	STEAM GENERATOR
FMS	FLOW MEASURING STATION	SS	STAINLESS STEEL
FD	FIRE DAMPER	TE	TEMPERATURIZED ELEMENT (SENSOR)
FG	FIBERGLASS	TYP	TYPICAL
F & T	FLOAT AND THERMOSTATIC	UH	UNIT HEATER
FTR	FINNED TUBE RADIATION	UV	UNIT VENTILATOR
FS	FLOW SWITCH	VAV	VARIABLE AIR VOLUME BOX
GC	GENERAL CONTRACTOR	VB	VACUUM BREAKER
GPM	GALLONS PER MINUTE	VTR	VENT THRU ROOF
H	HUMIDIFIER	VD	MANUAL VOLUME DAMPER
HB	HOSE BIB	VCF	VALVED AND CAPPED FOR FUTURE
HRU	HEAT RECOVERY UNIT	VFD	VARIABLE FREQUENCY DRIVE
HTR	HEATER	W/	WITH



VAV UNIT W/ REHEAT - SEQUENCE OF OPERATION
NOT TO SCALE

VARIABLE AIR VOLUME BOX AND HOT WATER COIL CONTROLS:

- GENERAL**
- VAV BOX AND HOT WATER COIL SHALL BE CONTROLLED BY AN APPLICATION SPECIFIC CONTROLLER (ASC - PROVIDED BY THE ATC CONTRACTOR). VAV MANUFACTURER SHALL PROVIDE AIRFLOW MEASURING STATION AND PRIMARY AIR DAMPER/ACTUATOR. ALL SETPOINTS SHALL BE ADJUSTABLE. ALL ACTUATORS SHALL BE ELECTRONIC.
 - ACTUATORS AND APPLICATION SPECIFIC CONTROLLERS SHALL BE FURNISHED BY ATC CONTRACTOR AND DELIVERED TO THE VAV TERMINAL UNIT MANUFACTURER FOR FACTORY INSTALLATION/MOUNTING BY THE VAV TERMINAL UNIT MANUFACTURER.
 - ALL TEMPERATURES LISTED ARE FAHRENHEIT AND SHALL BE ADJUSTABLE.
 - AIRFLOW SHALL BE MEASURED BY THE FLOW MEASURING TRANSMITTER (FMT) AND DISPLAYED ON THE GRAPHICS.
 - THE VAVS WILL SERVE AS A SECONDARY HEAT SOURCE IN ZONES CONTAINING RADIANT PANELS. IN THESE ZONES THERE WILL BE ONE THERMOSTAT PROVIDING ZONE TEMPERATURE INFORMATION TO THE VAVS AND RADIANT PANELS.
 - IN THE ZONES WHICH DO NOT CONTAIN RADIANT PANELS VAVS WILL BE THE PRIMARY SOURCE OF HEAT.
 - COORDINATE WITH FACILITIES WHERE ROOM SETPOINTS SHALL BE ADJUSTABLE IN THE LOCATIONS IN WHICH THEY SERVE AND WHERE MANUAL ADJUSTMENT SHALL BE DISABLED. ALL TEMPERATURES SHALL BE CAPABLE OF BEING OVERRIDDEN AT THE FRONT END WORKSTATION.
 - DURING SCHEDULED OCCUPIED HOURS, THE HEATING SETPOINT SHALL BE 70°F AND THE COOLING SETPOINT SHALL BE 5°F WARMER THAN HEATING SETPOINT.
 - ROOM TEMPERATURES SHALL BE SET BY THE AUTOMATIC TEMPERATURE CONTROL SYSTEM.
 - COOLING MINIMUM, COOLING MAXIMUM AND HEATING MAXIMUM PRIMARY AIR FLOWS ARE SHOWN ON DRAWINGS.
 - MINIMUM, MAXIMUM AND HEATING PRIMARY AIR FLOWS ARE SHOWN ON SCHEDULES.
 - PROVIDE TWO-WAY MODULATING TYPE CONTROL VALVE FOR HEATING COIL.
- OCCUPIED COOLING CONTROL**
- UPON A CALL FOR COOLING FROM THE ZONE TEMPERATURE SENSOR (T), THE PAD SHALL MODULATE BETWEEN MINIMUM AND MAXIMUM POSITIONS TO MAINTAIN THE OCCUPIED COOLING SETPOINT. THE HEATING CONTROL VALVE (HV) SHALL BE CLOSED (UNLESS HEATING IS NEEDED DURING TO CO2 OVERRIDE).
 - WHEN THERE IS NO CALL FOR COOLING THE PAD WILL MODULATE TO ITS MINIMUM COOLING POSITION TO MAINTAIN NECESSARY VENTILATION FOR THE SPACE.
 - THE ZONE OCCUPIED / UNOCCUPIED STATUS SHALL BE SCHEDULED AND

- OVERRIDDEN THROUGH THE USER WORKSTATION.
- THE FOLLOWING POINTS SHALL BE AVAILABLE FOR MONITORING AND CONTROL AT THE USER STATION (WHERE APPLICABLE).
 - ZONE TEMPERATURE
 - VAV DISCHARGE AIR TEMPERATURE
 - DAMPER PERCENT OPEN POSITION
 - CONTROL VALVE PERCENT OPEN POSITION
 - AIRFLOW
 - OCCUPIED HEATING CONTROL**
 - FOR THE ZONES WHERE THE VAVS ARE THE PRIMARY SOURCE OF HEAT, UPON A CALL FOR HEATING FROM THE ZONE TEMPERATURE SENSOR, THE PRIMARY AIR DAMPER (PAD) SHALL MODULATE TO ITS MINIMUM COOLING POSITION. THE HEATING CONTROL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN SETPOINT. UPON A FURTHER DROP IN TEMPERATURE, THE PAD SHALL MODULATE UP TO THE SCHEDULED HEATING AIRFLOW AND THE HOT WATER CONTROL VALVE (HV) SHALL MODULATE AS REQUIRED. THE DAT SHALL LIMIT THE BOX TO 95°F (ADJ.). THE REVERSE SHALL OCCUR ON A RISE IN SPACE TEMPERATURE.
 - WHEN THERE IS NO CALL FOR HEATING THE PAD SHALL BE AT ITS MINIMUM COOLING POSITION TO MAINTAIN THE NECESSARY VENTILATION TO THE SPACE. THE HOT WATER CONTROL VALVE (HV) SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE EQUAL TO THE TEMPERATURE SET POINT FOR THE ZONE.
 - UNOCCUPIED HEATING CONTROL**
 - IF THE ZONE TEMPERATURE FALLS BELOW 55°F FOR 10 MINUTES OR LONGER, THE PAD SHALL OPEN TO THE SCHEDULED HEATING AIRFLOW AND ITS HOT WATER VALVE (HV) SHALL MODULATE TO MAINTAIN A DISCHARGE AIR TEMPERATURE (DAT) OF 85°F. UPON A FURTHER DROP IN TEMPERATURE, THE PAD SHALL MODULATE TO THE SCHEDULED HEATING AIRFLOW AND THE HOT WATER CONTROL VALVE (HV) SHALL MODULATE AS REQUIRED. WHEN THE ZONE TEMPERATURE SENSOR RISES ABOVE 60°F, THE ASSOCIATED BOX HV SHALL MODULATE TO MAINTAIN 60°F UNTIL ALL ZONES REACH 60°F, THEN THE BOXES AND ASSOCIATED ROOF TOP UNIT WILL SHUT DOWN.
 - UNOCCUPIED OVERRIDE**
 - BUTTON ON T SHALL ALLOW 2 HOUR (ADJ.) OVERRIDE FROM UNOCCUPIED CONTROL. WHEN ANY ROOM IS IN OVERRIDE, THE REMAINING VAV UNITS ASSOCIATED WITH THE RESPECTIVE AIR HANDLING UNIT SHALL ALSO BE PUT IN THE OCCUPIED MODE.

ALARMS

- IF THE ROOM TEMPERATURE SENSOR SENSES A TEMPERATURE MORE THAN 5°F ABOVE OR BELOW THE SETPOINT FOR 5 MINUTES, THE DDC SYSTEM SHALL GIVE A DETAILED ROOM "HIGH" OR "LOW" TEMPERATURE ALARM SIGNAL TO THE BAS.
- IF ANY OF THE CO2 SENSORS (CO) SENSE A CO2 LEVEL MORE THAN 2000 PPM (ADJ) OR BELOW 250 (ADJ) FOR 30 MINUTES (ADJ) OR LONGER, THE DDC SYSTEM SHALL GIVE A DETAILED CO2 "HIGH" OR "LOW" LEVEL CO2 ALARM SIGNAL TO THE BAS.

SIZE	INLET SIZE (IN)	OUTLET SIZE (IN)	CFM		INLET SP. H. W.G.	MIN SP. H. W.G.	HOT WATER HEATING COIL										MANUFACTURER & MODEL (AS BASIS OF DESIGN)	NOTES:
			MAX.	MIN.			CFM	MBH	EAT °F	LAT °F	EWTF °F	LWTF °F	GPM	MIN KW/WS	MAX WPD FT. HD			
VAV-1	12	16x15	800	300	0.5	0.15	300	11...	55	90	180	180	1.1...	1	5	PRICE / SDV	1 THRU 6	

NOTES: 1. UNIT SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. MAINTAIN ALL REQUIRED CLEARANCES FOR ACCESS AND SERVICE.
2. VERIFY UNIT CONFIGURATION (UNIT CONTROLS ENCLOSURE AND COIL CONNECTIONS) WITH FLOOR PLAN.
3. COORDINATE CONTROLS REQUIREMENTS WITH CONTROLS CONTRACTOR.
4. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
5. PROVIDE WITH 1" FOIL FACED RIGID FIBER GLASS BOARD INSULATION FOR ALL UNITS.
6. PROVIDE WITH FACTORY MOUNTED AIRFLOW MEASURING STATION, VAV ACTUATOR, AND CONTROLS ENCLOSURE FOR ALL UNITS.

TAG	CFM	NECK SIZE	TYPE	DP	MAX NG	PRICE MODEL NO.	NOTES
S-1	<160	8" Ø	TAMPER RESISTANT PERFORATED SUPPLY	0.08	20	PDN - CEILING MOUNT	1, 3, 4
S-2	300 - 500	12" Ø	TAMPER RESISTANT PERFORATED SUPPLY	0.04	21	PDN - CEILING MOUNT	1, 3, 4
R-1	<240	10" x 10"	TAMPER RESISTANT PERFORATED RETURN	0.10	18	PDOR LAY-IN - CEILING MOUNT	1, 3
R-2	800	16" x 16"	TAMPER RESISTANT PERFORATED RETURN	0.05	25	PDOR LAY-IN - CEILING MOUNT	1, 3

NOTES:
1. ALL REGISTERS, DIFFUSERS AND GRILLES SHALL HAVE WHITE FINISH UNLESS OTHERWISE INDICATED.
2. PROVIDE FACE OPERABLE DAMPERS IN RGD'S WHERE DUCT MOUNTED BALANCE DAMPERS ARE NOT ACCESSIBLE (I.E. GYPSUM CEILINGS)
3. PROVIDE MOUNTING FRAME FOR 24"x48" LAY-IN CEILING GRID
4. PROVIDE ALUMINUM CONSTRUCTION IN ALL BATHROOM AND SHOWER DIFFUSERS, REGISTERS, AND GRILLES.
5. PROVIDE INTEGRAL PLENUM. S-4 TO HAVE CUSTOM MADE 18" HIGH PLENUM.

NOTES:
1. SEE SHEET M-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

0	ISSUED FOR BID	10-21-20
REV	DESCRIPTION	DATE

ISSUED FOR BID
10-21-20

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**MECHANICAL SCHEDULES,
SEQUENCES OF OPERATIONS,
AND CONTROL DIAGRAMS**
SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER: JGJ PROJECT NO: 20960

A/E OF RECORD: KME

JOB CAPTAIN: BLS

DRAWN BY: DCG

SMRT FILE: M-601-20960 SHEET NO. **M-601**

LIGHTING

2x4 FIXTURE ASSOCIATED CONTROL DEVICE
FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)

1x4 FIXTURE

2x2 FIXTURE

FIXTURE WIRED TO UNSWITCHED NORMAL CIRCUIT

FIXTURE WIRED TO UNSWITCHED EMERGENCY CIRCUIT

FIXTURE WIRED TO SWITCHED EMERGENCY CIRCUIT

DOWN LIGHT

INDUSTRIAL STRIP

WALL MOUNTED FIXTURES

TRACK LIGHTING

POLE MOUNTED SITE LIGHTING FIXTURE
FIXTURE TYPE (SEE LIGHT FIXTURE SCHEDULE)

FLOOD LIGHT

WALL WASH LIGHT FIXTURE

EXIT SIGN, CEILING MOUNTED
ARROW INDICATES EGRESS DIRECTION
SHADING INDICATES SIGN FACE

EXIT SIGN, WALL MOUNTED
SHADING INDICATES SIGN FACE

DUAL HEAD EMERGENCY LIGHT BATTERY PACK
TD - TIME DELAY RESET

REMOTE EMERGENCY LIGHTING HEAD

WALL PACK

3-WAY TOGGLE SWITCH

SINGLE POLE TOGGLE SWITCH
INDICATES CONTROLLED FIXTURE

4-WAY TOGGLE SWITCH

DUAL LEVEL SWITCHING

DIMMER SWITCH, INCANDESCENT OR FLUORESCENT AS REQUIRED.

TOGGLE SWITCH WITH PILOT LIGHT

TIMER SWITCH, SPRING WOUND

SINGLE POLE DOUBLE THROW TOGGLE SWITCH, CENTER POSITION OFF

VACANCY SENSOR SWITCH WITH INTEGRAL 0-10V DIMMING

EXPLOSION PROOF

OCCUPANCY SENSOR SWITCH

OCCUPANCY SENSOR
a. INDICATES CONTROLLED FIXTURE
INDICATES AIMING DIRECTION

OCCUPANCY SENSOR RELAY

DAYLIGHT SENSOR
LIGHTS CONTROLLED BY SENSOR

COMMUNICATION & DATA SYSTEMS

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RACEWAYS, DEVICE BOXES, CABLES, TERMINATIONS, DEVICES, AND TESTING.

TELEPHONE SYSTEM WALL JACK
W-INDICATES WALL MOUNTED AT 60" AFF
P-INDICATES PAYPHONE
(2)-INDICATES 2 OUTLETS, SINGLE BOX

DATA SYSTEM OUTLET

COMBINATION VOICE/DATA SYSTEM OUTLET
D-DATA LINE V-VOICE LINE H-TV VIDEO LINE

UNDERFLOOR TELEPHONE SYSTEM OUTLET

UNDERFLOOR DATA SYSTEM OUTLET

UNDERFLOOR VOICE & DATA OUTLET

CABLE TELEVISION SYSTEM OUTLET, MOUNT 18" AFF UNLESS OTHERWISE NOTED

CLOSED CIRCUIT TELEVISION OUTLET, MOUNT 18" AFF UNLESS OTHERWISE NOTED

PAGING SYSTEM CONTROL PANEL AND PAGING AMPLIFIER

PAGING SYSTEM SPEAKER, CEILING MOUNTED

PAGING SYSTEM SPEAKER, WALL MOUNT AT 7'-6" AFF

1. FLUSH; 2. SURFACE; 3. HORN; 4. DUAL HORN

VOLUME CONTROL

INTERCOM SYSTEM HAND KEY

CLOCK SPEAKER

INTERCOM SYSTEM HAND SET

WALL MOUNTED CLOCK

CEILING MOUNTED DATA SYSTEM OUTLET

POWER

NON-FUSED SAFETY SWITCH
AMPERE RATING
NEMA ENCLOSURE RATING

FUSED SAFETY SWITCH, TOP NUMBER INDICATES SWITCH AMPERE RATING, LOWER NUMBER INDICATES FUSE RATING
NEMA ENCLOSURE

MAGNETIC MOTOR STARTER, FVNR UNLESS INDICATED OTHERWISE
NEMA ENCLOSURE RATING
NEMA SIZE (TYPICAL)

COMBINATION CIRCUIT BREAKER/MAGNETIC MOTOR STARTER FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING SECOND NUMBER INDICATES NEMA STARTER SIZE

COMBINATION FUSED DISCONNECT/MAGNETIC MOTOR STARTER NUMBERS INDICATE DISCONNECT AMPERE RATING/FUSE RATING/NEMA STARTER SIZE

NON-FUSED DISCONNECT/MAGNETIC MOTOR STARTER FIRST NUMBER INDICATES CIRCUIT BREAKER AMPERE RATING SECOND NUMBER INDICATES NEMA STARTER SIZE

MANUAL MOTOR STARTER, TOGGLE OPERATED, 1, 2 OR 3 POLE AS REQUIRED, OVERLOAD PROTECTION

MANUAL MOTOR SWITCH, TOGGLE OPERATED, SINGLE PHASE, 1 OR 2 POLE AS REQUIRED (NO OVERLOAD PROTECTION)

ENCLOSED CIRCUIT BREAKER
AMPERE RATING

ELECTRIC MOTOR, NUMBER INDICATES HORSEPOWER RATING

EXPLOSION PROOF MOTOR

VARIABLE AIR VOLUME CONTROL ACTUATORS

LOCAL SELECTOR SWITCH
H/O/A - HAND/OFF/AUTO

EMERGENCY OFF BREAK GLASS STATION

PUSHBUTTON STATION

JUNCTION BOX

TRANSFORMER

POWER POLE

CONDUIT TURNING UP

CONDUIT TURNING DOWN

EY CONDUIT SEAL

DUPLEX RECEPTACLE, NEMA 5-20R
INSTALLED ON EMERGENCY CIRCUIT (TYPICAL)

GFI DUPLEX RECEPTACLE, NEMA 5-20R
PROVIDE WEATHER RESISTANT RECEPTACLE WITH WEATHERPROOF IN-USE COVER

SINGLE RECEPTACLE, NEMA 5-20R

DOUBLE DUPLEX (QUADRUPLUX) RECEPTACLE, NEMA 5-20R

SWITCHED RECEPTACLE

FLOOR OUTLET, DUPLEX RECEPTACLE, NEMA 5-20R

POWER RECEPTACLE, 480 VOLT NEMA CONFIGURATION AS NOTED.

POWER RECEPTACLE, 240 VOLT NEMA CONFIGURATION AS NOTED.

PANELBOARD, NORMAL POWER

PANELBOARD, EMERGENCY POWER

MULTI OUTLET ASSEMBLY

GRAPHIC CONTROL PANEL

BRANCH CIRCUIT NUMBER INDICATES PANEL NAME

EQUIPMENT TAG

HOME RUN TO INDICATED PANEL

LINE VOLTAGE THERMOSTAT (PROVIDED BY DIV. 23)

FIRE ALARM

FIRE ALARM CONTROL PANEL

FIRE ALARM ANNUNCIATOR

FIRE ALARM MASTER BOX

FIRE ALARM MANUAL PULL STATION

FIRE ALARM SPEAKER/STROBE UNIT
FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE (GENERAL EVACUATION)

FIRE ALARM AUDIBLE/VISIBLE NOTIFICATION APPLIANCE CLEAN ROOM NOTIFICATION (LOCAL)

FIRE ALARM VISIBLE ONLY NOTIFICATION APPLIANCE CANDELA INTENSITY-15/75 UNLESS OTHERWISE NOTED CEILING MOUNTED

PHOTOELECTRIC SMOKE DETECTOR, CEILING MOUNTED INDICATES AUXILIARY CONTACT.

FIXED TEMPERATURE HEAT DETECTOR, CEILING MOUNTED, INDICATES EQUIPMENT INTERLOCKED WITH THE DETECTOR

CLEAN ROOM SMOKE DETECTOR

INDICATES EQUIPMENT INTERLOCKED WITH THE SMOKE DETECTOR

HEAT DETECTOR, CEILING MOUNTED COMBINATION RATE-OF-RISE/FIXED TEMPERATURE

DUCT SMOKE DETECTOR, PHOTOELECTRIC WITH AUXILIARY CONTACT.

SPRINKLER SYSTEM FLOW SWITCH

SPRINKLER SYSTEM TAMPER SWITCH

FIRE ALARM SYSTEM MAGNETIC DOOR HOLDER

INTERLOCK RELAY

SMOKE DAMPER

DUCT SMOKE DETECTOR REMOTE TEST INDICATOR

KNOX BOX

SECURITY SYSTEMS

NOTE: CONTRACTOR SHALL PROVIDE DEVICE BOX WITH FLUSH MUD RING AND 1" CONDUIT WITH PULL STRING AND LOW VOLTAGE-SAFE BUSHING TO ABOVE ACCESSIBLE CEILING. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CABLES AS INDICATED ON DRAWINGS. ALL DEVICES, TERMINATIONS, DEVICES, AND TESTING SHALL BE BY OWNER'S SECURITY VENDOR.

DOOR CONTACT

CARD READER

KEY PAD

IP CAMERA
360° VIEW

HEIGHT STRIP CAMERA

ELECTRIC STRIKE

MAG LOCK

MOTION SENSOR

ARMING STATION

WALL MOUNT SECURITY MONITOR

GROUNDING

GROUND ROD

EXOTHERMIC WELD CONNECTION

BOLTED CONNECTION

BARE COPPER CONDUCTOR RUN EXPOSED

BARE COPPER CONDUCTOR EMBEDDED IN CONCRETE OR BURIED

LINE TYPES

EXISTING

NEW

DEMOLITION

GENERAL NOTE

1. ALL GENERAL NOTES, SYMBOL LISTS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL ELECTRICAL DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION IN THE DESIGN.

2. ALL DEVICES, FIXTURES, ETC. SHALL BE NEW UNLESS DESIGNATED WITH THE FOLLOWING TAGS:
E = EXISTING TO REMAIN
ER = EXISTING DEVICE TO BE RELOCATED
R = EXISTING TO BE REMOVED
RR = REMOVE DEVICE AND RELOCATE TO NEW LOCATION

ABBREVIATIONS

A AMP	AMPERE	LA LIGHTNING ARRESTER
AFF ABOVE FINISHED FLOOR		LTG LIGHTING
AFG ABOVE FINISHED GRADE		MC METAL CLAD
AHJ AUTHORITY HAVING JURISDICTION		MCB MAIN CIRCUIT BREAKER
AIC AMPERE INTERRUPTING CAPACITY		MFR MANUFACTURER
AWG AMERICAN WIRE GAUGE		MI MINERAL INSULATED
BFG BELOW FINISHED GRADE		MLO MAIN LUG ONLY
BOS BOTTOM OF STEEL		MTD MOUNTED
C CONDUIT, CONDUCTOR		MV MEDIUM VOLTAGE
CATV CABLE TELEVISION		NC NORMALLY CLOSED
CB CIRCUIT BREAKER		NEC NATIONAL ELECTRICAL CODE
CCTV CLOSED CIRCUIT TELEVISION		NEG NEGATIVE
CONV CONVENIENCE		NEUT NEUTRAL
CPT CONTROL POWER TRANSFORMER		NO NOT IN CONTRACT
CT CURRENT TRANSFORMER		NO NORMALLY OPEN
CU COPPER		NTS NOT TO SCALE
DACT DIGITAL ALARM COMMUNICATOR TRANSMITTER		PF POWER FACTOR
DB DIRECT BURIED		PH PHASE
DISC DISCONNECT		PVC POLYVINYL CHLORIDE
DN DOWN		RGS RIGID STEEL CONDUIT
EMT ELECTRICAL METALLIC TUBING		RSC RIGID STEEL CONDUIT
EWC ELECTRIC WATER COOLER		RTD RESISTANCE TEMPERATURE DETECTOR
FAA FIRE ALARM ANNUNCIATOR		SN SOLID NEUTRAL
FACP FIRE ALARM CONTROL PANEL		STP SHIELDED TWISTED PAIR
FBO FURNISHED BY OTHERS		STT SHIELDED TWISTED TRIPLET
FJ FUSE		SWBD SWITCHBOARD
FWE FURNISHED WITH EQUIPMENT		SWGR SWITCHGEAR
GEN GENERATOR		TOS TOP OF STEEL
GFCI GROUND FAULT CIRCUIT BREAKER		TRANSF TRANSFORMER
GND GROUND		TVSS TRANSIENT VOLTAGE SURGE SUPPRESSOR
HP HORSEPOWER		V VOLT
HTR HEATER		VA VOLT-AMPERE
IG ISOLATED GROUND		VAR VOLT-AMPERE REACTIVE
IMC INTERMEDIATE METAL CONDUIT		WM WATT METER
K KILO		WP WEATHER PROOF
KCMIL THOUSAND CIRCULAR MILS		WR WEATHER RESISTANT
KV KILOVOLT		XFMR TRANSFORMER
KVA KILOVOLT-AMPERE		XP EXPLOSION PROOF
KVAR KILOVOLT-AMPERE REACTIVE		
KW KILOWATT		
KWH KILOWATT-HOUR		

GENERAL NOTES:

- ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMAN LIKE MANNER, RECTILINEAR TO BUILDING STRUCTURE, AND IN ACCORDANCE WITH ALL APPLICABLE CODES, INCLUDING, BUT NOT LIMITED TO NFPA 70, NFPA 90A, NFPA 101, AND THE AUTHORITY HAVING JURISDICTION.
- EXACT LOCATION OF MECHANICAL EQUIPMENT THAT REQUIRES ELECTRICAL CONNECTION IS SHOWN ON THE MECHANICAL PLANS. ALL MOTOR SAFETY SWITCHES, DISCONNECTS AND MOTOR STARTERS ARE PROVIDED BY DIVISION 26 UNLESS NOTED AS FURNISHED WITH EQUIPMENT (FWE).
- CONTRACTOR SHALL REVIEW ALL TRADES CONTRACT DOCUMENTS AND FIELD VERIFY TO DETERMINE SPECIFIC MOUNTING LOCATIONS FOR ELECTRICAL EQUIPMENT AND CONDUITS.
- COORDINATE ARRANGEMENT, MOUNTING, AND SUPPORT OF ELECTRICAL CONDUIT AND EQUIPMENT TO PROVIDE FOR EASE OF DISCONNECTING THE EQUIPMENT WITH MINIMUM INTERFERENCE TO OTHER INSTALLATION. TO ALLOW RIGHT OF WAY FOR PIPING INSTALLED AT A REQUIRED SLOPE, AND SO CONNECTING RACEWAYS SHALL BE CLEAR OF OBSTRUCTIONS AND OF THE WORKING AND ACCESS SPACE OF OTHER EQUIPMENT.
- UNLESS OTHERWISE NOTED CONVENIENCE RECEPTACLES SHALL BE MOUNTED 18-INCHES AFF. LIGHTING TOGGLE SWITCHES 48-INCHES AFF. DATA SYSTEM OUTLETS 18-INCHES AFF. FIRE ALARM NOTIFICATION DEVICES 80-INCHES AFF OR 6-INCHES BELOW CEILING, WHICHEVER IS LOWER, AND FIRE ALARM MANUAL PULL STATIONS 48-INCHES TO TOP OF DEVICE.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN THE RATING OF SEPARATION.
- DEVICES SHALL NOT BE INSTALLED BACK-TO-BACK IN ADJACENT ROOMS. ADJUST LOCATIONS AS NECESSARY TO AVOID THIS CONDITION.
- ALL ENCLOSURES, CONDUIT BODIES AND THEIR COVERS CONTAINING FIRE ALARM SYSTEM CONDUCTORS SHALL BE PAINTED RED.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH EVERY FEEDER AND BRANCH CIRCUIT.
- UNLESS OTHERWISE NOTED WIRING SHALL BE 2#12 AWG CONDUCTORS AND # 12 GND. HOME RUNS FED FROM 20A-1P CIRCUITS IN EXCESS OF 100 FEET SHALL BE #10 AWG. RUN A SEPARATE NEUTRAL WIRE FOR EACH DEDICATED BRANCH CIRCUIT SHOWN ON THE PLANS.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT, UNLESS OTHERWISE NOTED.
- LIGHTING TOGGLE SWITCHES SHALL BE COMMERCIAL SPECIFICATION GRADE 120/277 VOLT, SIDE WIRED AND PROVIDED WITH GROUNDING SCREW.
- ALL CONVENIENCE RECEPTACLE SHALL BE COMMERCIAL GRADE, TAMPER-RESISTANT, GROUNDING, TYPE NEMA 5-20R, SIDE WIRED, PLUG-TAIL TYPE.
- PROVIDE WALL PLATES FOR ALL WIRING DEVICES, 10 GAUGE DETENTION GRADE WITH TAMPER RESISTANT SCREWS.
- ALL WIRING SHALL BE 600V, COPPER WITH THHN/THWN INSULATION.
- COORDINATE FINAL LOCATION OF FIXTURE AND DEVICES WITH ARCHITECTURAL ELEVATIONS.
- COORDINATE W/ CONTROLS CONTRACTOR TO PROVIDE POWER FOR ALL MISCELLANEOUS CONTROL OPERATORS AND PANELS.
- PROVIDE 3/8" NYLON PULL STRING IN ALL EMPTY SERVICE RACEWAYS.

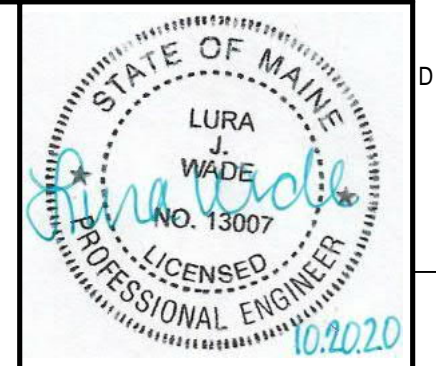
GENERAL DEMOLITION NOTES:

- WIRING FOR ALL EXISTING BRANCH CIRCUIT DEVICES TO BE DEMOLISHED AND NOT REUSED SHALL BE REMOVED BACK TO THE PANELBOARD. THE ASSOCIATED CIRCUIT BREAKER SHALL BE TURNED OFF AND MARKED AS SPARE IN THE PANELBOARD DIRECTORY. DO NOT ABANDON BRANCH CIRCUIT WIRING ABOVE CEILINGS OR IN WIREWAYS.
- ALL EXPOSED RACEWAYS AND CABLES IN FINISHED SPACES, NO LONGER IN USE, SHALL BE REMOVED.
- MAINTAIN, OR RESTORE IF INTERRUPTED BY REMOVALS OR IN PATH OF NEW CONSTRUCTION, ALL CONDUITS, BRANCH CIRCUITS, AND FEEDERS PASSING THROUGH AND SERVICE UNDISTURBED AREAS (SHOWN OR NOT SHOWN.)
- ALL EXISTING CONDUITS STUBBED THROUGH FLOORS OR ROOF SERVING ITEMS TO BE REMOVED (SHOWN OR NOT SHOWN) AND NOT REQUIRED TO BE REUSED SHALL BE CUT OFF FLUSH WITH SLAB OR ROOF DECK AND SEALED.
- IN ANY AREA REQUIRING THE PERFORMANCE OF ANY TRADES WORK, ALL ELECTRICAL ITEMS WITHIN PATH OF WORK SHALL BE CAREFULLY REMOVED AND STORED. ITEMS SHALL BE REINSTALLED AND RECONNECTED AS REQUIRED TO RESTORE SYSTEM COMPONENT, IN ACCORDANCE WITH PLANS, AND/OR AS DIRECTED AFTER COMPLETION OF OTHER TRADES WORK IN THAT AREA.
- ALL EXISTING FIXTURES AND ELECTRICAL DEVICES TO BE REMOVED AND NOT RELOCATED SHALL BE TURNED OVER TO THE OWNER. IF THE OWNER DECIDES THEY DO NOT WISH TO KEEP REMOVED ITEM, IT IS THE RESPONSIBILITY OF THE EC TO REMOVE FROM SITE.

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

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10-21-20

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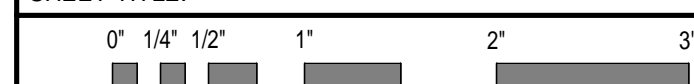


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LEGEND AND GENERAL NOTES

SHEET TITLE:

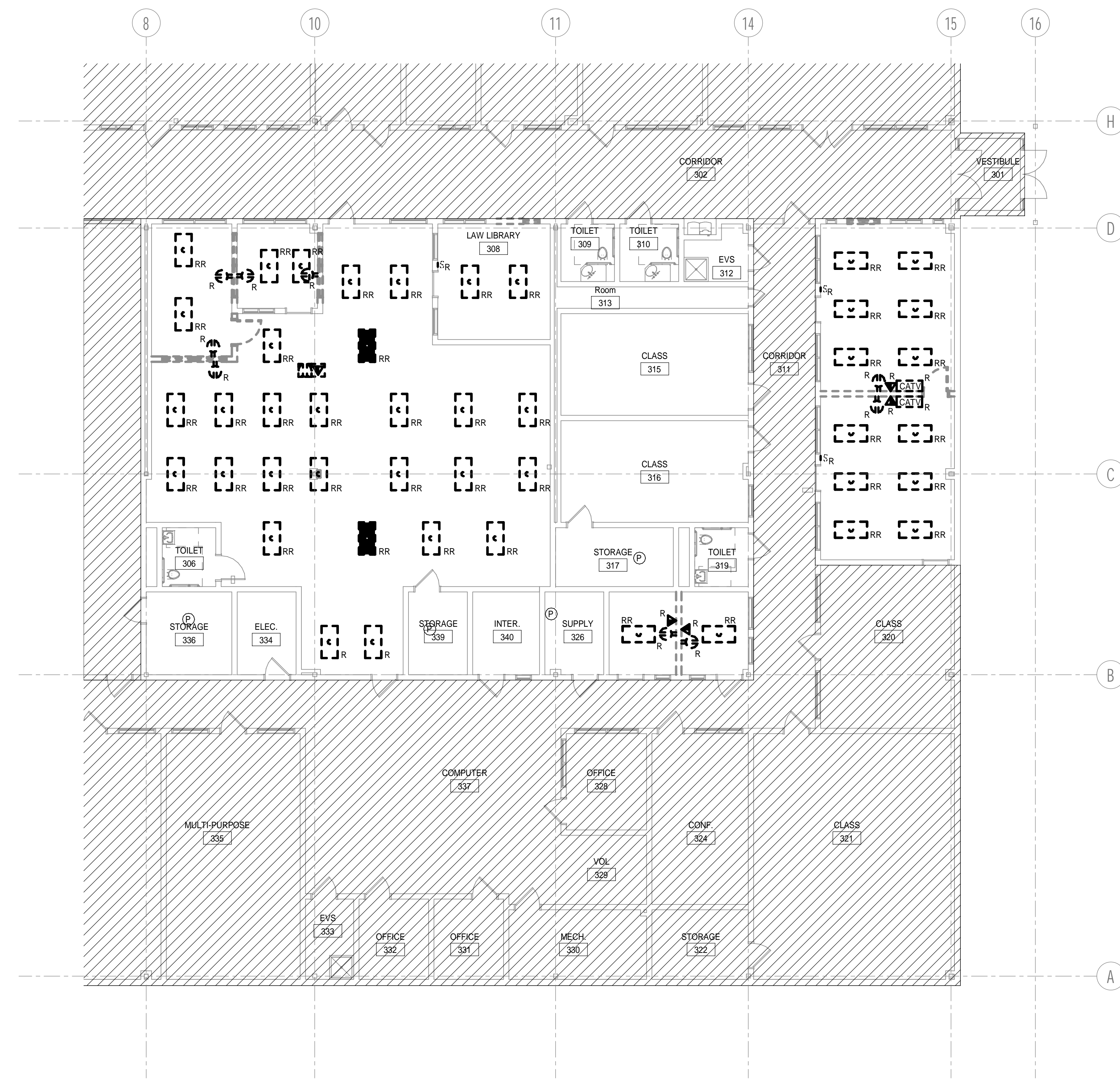
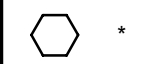


SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO:	20560
A/E OF RECORD:	LJW		
JOB CAPTAIN:	BLS		
DRAWN BY:	BAL		
SMRT FILE:	E-001-20560	SHEET NO.	E-001

NOTES:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:



LEVEL 1 DEMOLITION PLAN 1
 1/8" = 1'-0"

REV	DESCRIPTION	DATE
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ELECTRICAL DEMOLITION PLAN

SHEET TITLE:

SCALE: AS NOTED

PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
AVE OF RECORD:	Checker		
JOB CAPTAIN:	BLS		
DRAWN BY:	Author		
SMRT FILE:	ED101-20560	SHEET No.:	ED101

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

- (1) CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT
- (2) CEILING MOUNTED DUPLEX RECEPTACLE FOR OVERHEAD PROJECTOR.

CKT NO.	DIRECTORY	BKR AMPS	POLES	A	B	C	A	B	C	POLES	BKR AMPS	DIRECTORY	CKT NO.
1	EXISTING	20 A	1	0.0 kVA			0.2 kVA			1	20 A	CORRIDOR EM LIGHTING	2
3	EXISTING	20 A	1	0.0 kVA			0.5 kVA			1	20 A	ROOM EM LIGHTING	4
5	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	8
9	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	10
11	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	14
15	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	16
17	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	18
19	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	20
21	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	22
23	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	24
25	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	26
27	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	28
29	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	30

VOLTAGE: 480/277 Wye	3 PHASE	4 WIRE	AMP BUS	TOTAL KVA A	0.2	PANEL NO.	
MAIN BREAKER			60 A AMP TRIP	TOTAL KVA B	0.5		ELP3A1
MOUNTING Surface				TOTAL KVA C	0.0	LOCATION	ELEC. 334
SC RATING				TOTAL KVA	0.7		

Notes:

CKT NO.	DIRECTORY	BKR AMPS	POLES	A	B	C	A	B	C	POLES	BKR AMPS	DIRECTORY	CKT NO.
1	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	2
3	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	4
5	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	8
9	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	10
11	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.0 kVA			0.6 kVA			1	20 A	LIGHTING	14
15	EXISTING	20 A	1	0.0 kVA			1.7 kVA			1	20 A	LIGHTING	16
17	EXISTING	20 A	1	0.0 kVA			0.0 kVA		0.1 kVA	1	20 A	LIGHTING	18
19	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	20
21	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	22
23	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	24
25	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	26
27	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	28
29	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	30
31	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	32
33	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	34
35	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	36
37	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	38
39	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	40
41	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	42

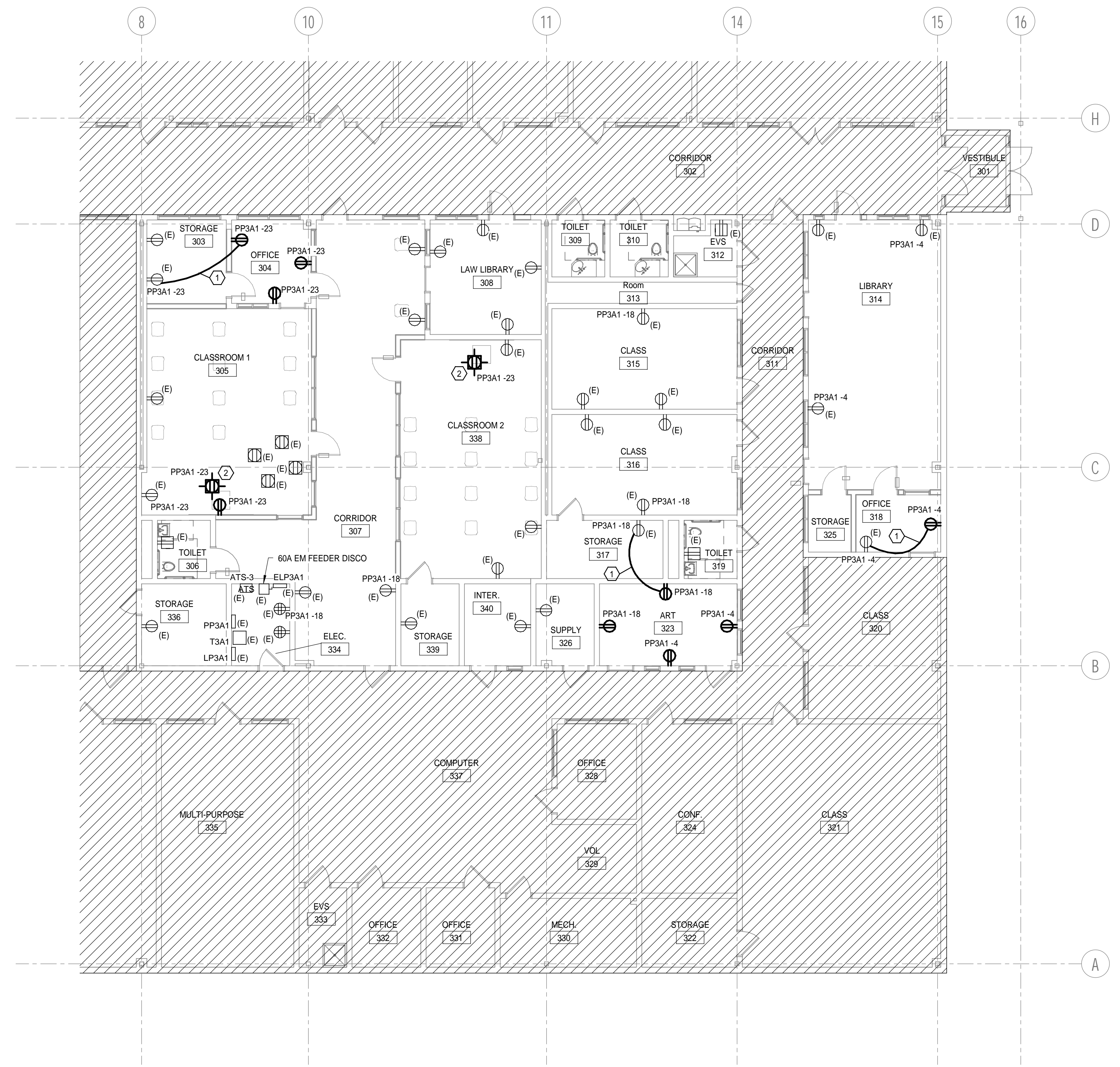
VOLTAGE: 480/277 Wye	3 PHASE	4 WIRE	AMP BUS	TOTAL KVA A	0.6	PANEL NO.	LP3A1
MAIN BREAKER			400 A AMP TRIP	TOTAL KVA B	1.7		
MOUNTING Surface				TOTAL KVA C	0.1	LOCATION	ELEC. 334
SC RATING	42k			TOTAL KVA	2.4		

Notes:

CKT NO.	DIRECTORY	BKR AMPS	POLES	A	B	C	A	B	C	POLES	BKR AMPS	DIRECTORY	CKT NO.
1	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	2
3	EXISTING	20 A	1	0.0 kVA			1.1 kVA			1	20 A	RECEPTS, OFFICE 318 / ART 323	4
5	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	6
7	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	8
9	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	10
11	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	12
13	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	14
15	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	16
17	EXISTING	20 A	1	0.0 kVA			1.4 kVA			1	20 A	RECEPTS, STOR 317 / ART 323	18
19	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	20
21	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	22
23	RECEPTS, STOR 303 / OFFICE 304	20 A	1	0.0 kVA			1.4 kVA			1	20 A	EXISTING	24
25	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	26
27	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	28
29	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	30
31	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	32
33	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	34
35	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	36
37	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	38
39	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	40
41	EXISTING	20 A	1	0.0 kVA			0.0 kVA			1	20 A	EXISTING	42

VOLTAGE: 120/208 Wye	3 PHASE	4 WIRE	AMP BUS	TOTAL KVA A	0.0	PANEL NO.	PP3A1
MAIN BREAKER			100 A AMP TRIP	TOTAL KVA B	1.1		
MOUNTING Surface				TOTAL KVA C	2.9	LOCATION	ELEC. 334
SC RATING	10k			TOTAL KVA	4.0		

Notes:

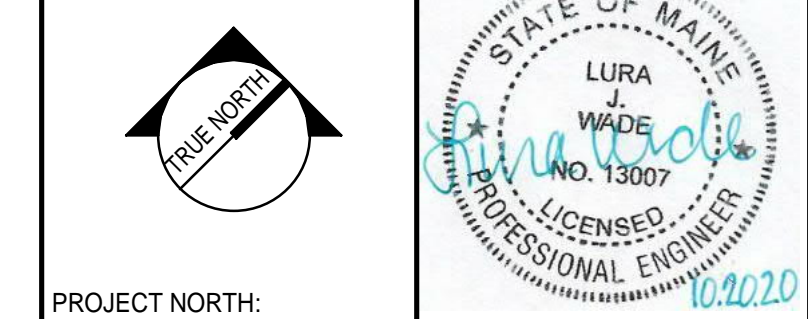


LEVEL 1 POWER PLAN 1
1/8" = 1'-0"

0	ISSUED FOR BID	10-21-20
REV	DESCRIPTION	DATE

ISSUED FOR BID
10-21-20

CURRENT ISSUE STATUS:



PROJECT NORTH:
SMRT Architecture • Engineering • Planning
SMRT Architects and Engineers
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1.877.700.7678
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**MAINE STATE PRISON
DORIS BUFFET HIGHER
EDUCATION CENTER
RENOVATIONS**
807 Cushing Rd. Warren, ME 04864
POWER PLAN






SHEET TITLE:

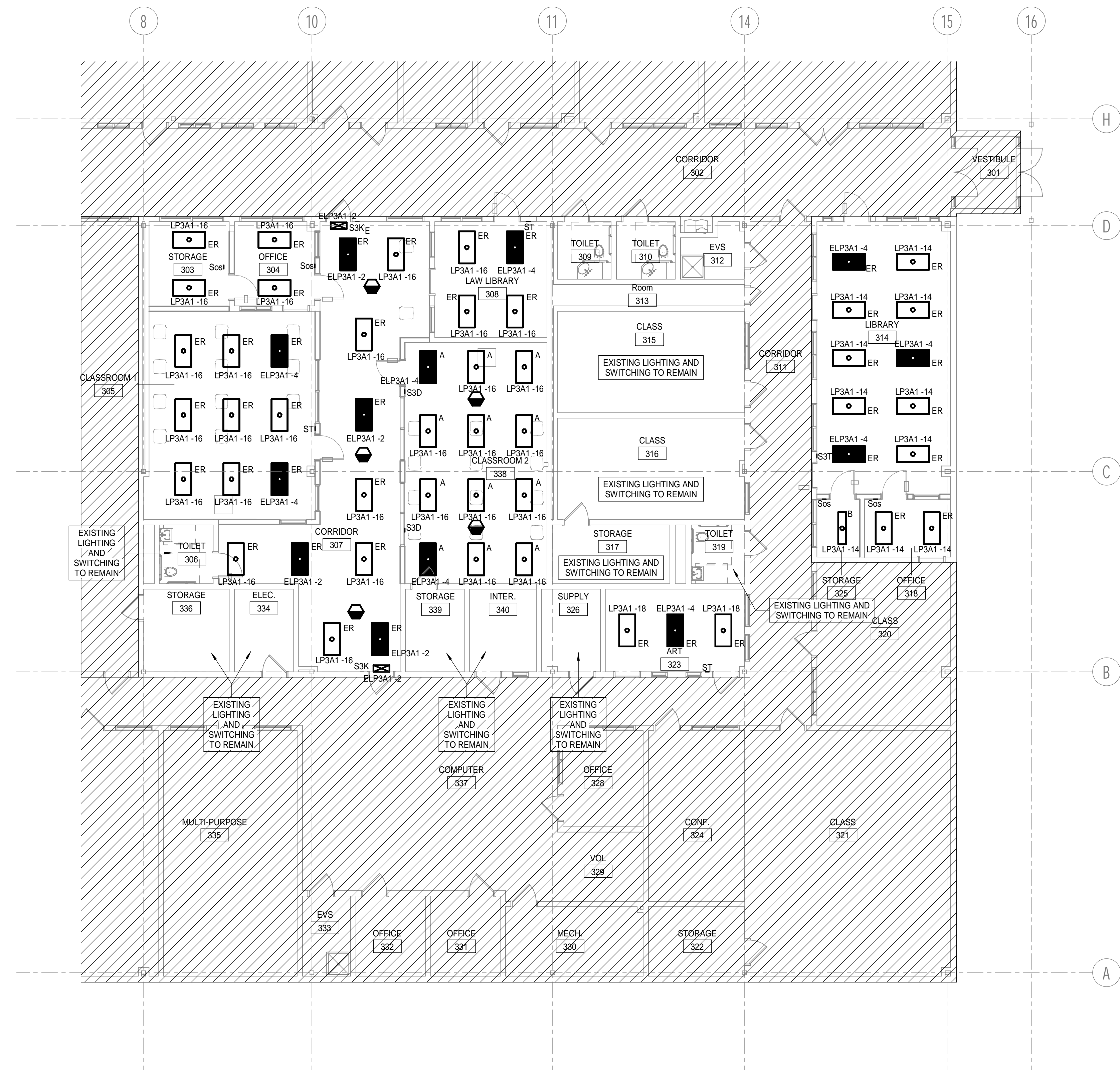
PROJECT MANAGER:	JGJ	PROJECT NO.:	20560
A/E OF RECORD:	Checker		
JOB CAPTAIN:	BLS		
DRAWN BY:	Author		
SMRT FILE:	EP101-20560	SHEET No.:	EP101

NOTES:
 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:
 (1) PROVIDE 3 WATT, 277V "OCCUPIED" LED INDICATOR LIGHT ABOVE DOOR. INDICATOR LIGHT SHALL ILLUMINATE RED WHEN ASSOCIATED RESTROOM LIGHT IS TURNED ON.

LUMINAIRE SCHEDULE								
TYPE	IMAGE	DESCRIPTION	TYPICAL ROOM USE	MFR / MODEL	LUMENS	WATTAGE	MOUNTING	NOTES
A		2'x4' RECESSED SEALED IP65 FIXTURE WITH INTEGRAL LEDS, FROSTED RIBBED LENS, DIMMING, VANDAL RESISTANT, 3500K, 80CRI, 120-277 V	CORRIDORS, CLASSROOMS, LIBRARY, COMMON AREAS	FAIL-SAFE 24FCZ2-30-UNV-L835-CA08-CD1	3000	24.2	RECESSED	CA08 - 0.080" CLEAR ACRYLIC BOTTOM LENS
B		2'x4' RECESSED SEALED IP65 FIXTURE WITH INTEGRAL LEDS, FROSTED RIBBED LENS, DIMMING, VANDAL RESISTANT, 3500K, 80CRI, 120-277 V	RESTROOMS, STORAGE	FAIL-SAFE 14FCZ2-29-UNV-L835-CA08-CD1	2900	24.3	SURFACE	CA08 - 0.080" CLEAR ACRYLIC BOTTOM LENS
EXIT		LOW PROFILE LED EXIT SIGN WITH THERMOPLASTIC BODY, UNIVERSAL MOUNTING, AND 5 YR WARRANTY	EGRESS CORRIDORS	ISOLITE RL-AC-R-WH-UN	NA	1	CEILING/ SURFACE	PROVIDE SINGLE/DOUBLE FACE, CHEVRONS, AND MOUNTING TO SUIT FIELD CONDITIONS

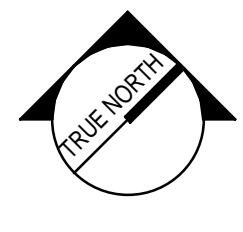
NOTES:
 (1) ALL FIXTURES (WHERE INDICATED) SHALL BE EITHER DESIGNLIGHTS CONSORTIUM (DLC) OR ENERGY STAR (ES) LISTED AND ELIGIBLE FOR EFFICIENCY MAINE.

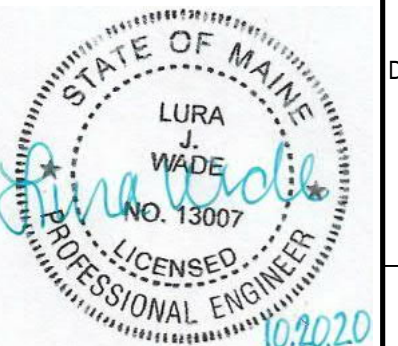


LEVEL 1 LIGHTING PLAN (A1)
 1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
 10-21-20
 CURRENT ISSUE STATUS:


PROJECT NORTH: 



SMRT Architecture + Engineering + Planning
 SMRT Architects and Engineers
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 Portland, Maine 04104
 1.877.700.7678
 www.smrtinc.com

**MAINE STATE PRISON
 DORIS BUFFET HIGHER
 EDUCATION CENTER
 RENOVATIONS**
 807 Cushing Rd. Warren, ME 04864

LIGHTING PLAN

SHEET TITLE:


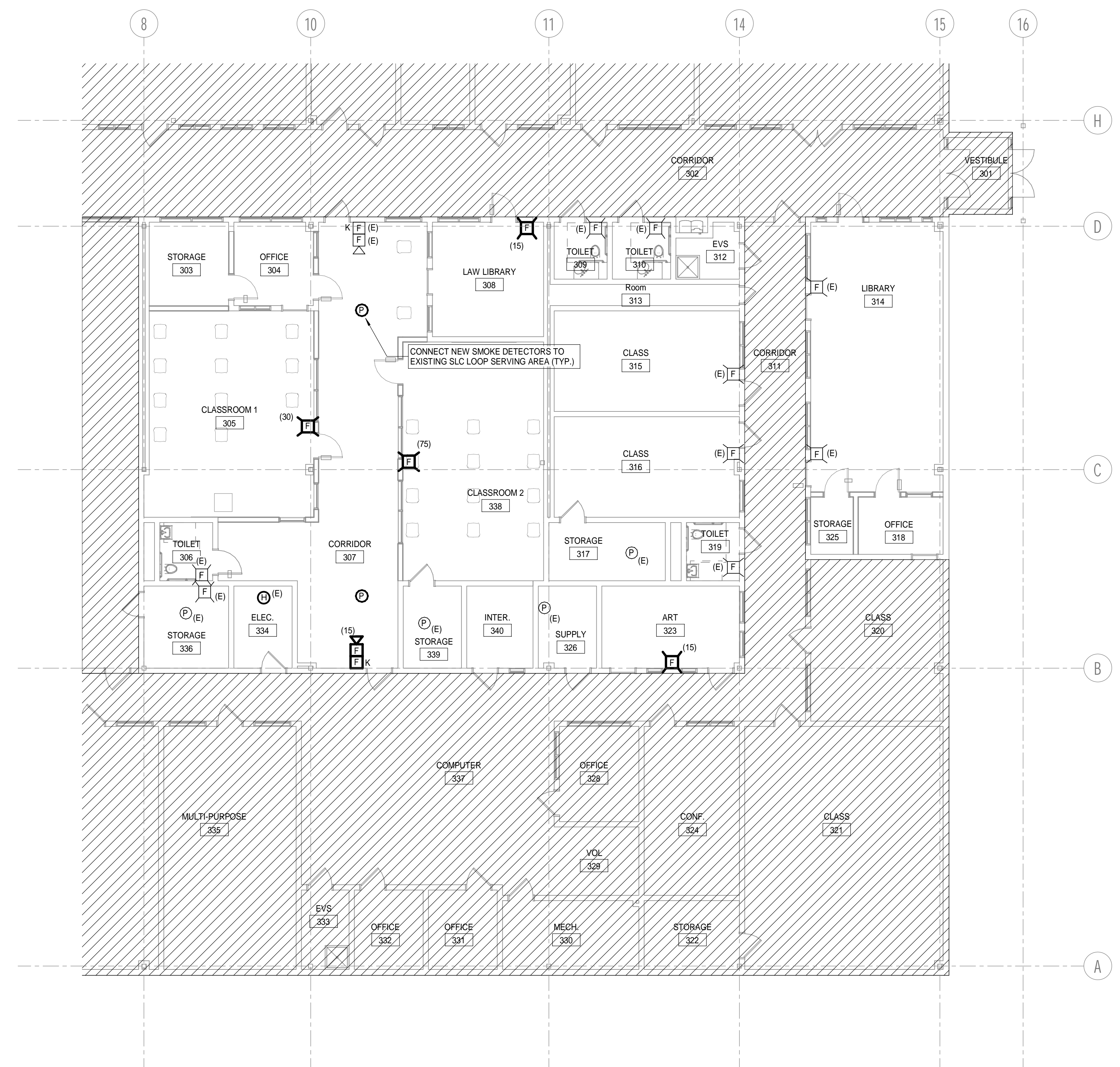
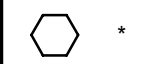
SCALE: AS NOTED

PROJECT MANAGER: JGJ	PROJECT NO: 20560
AVE OF RECORD: LWJ	
JOB CAPTAIN: BLS	
DRAWN BY: BAL	
SMRT FILE: EL101-20560	SHEET No. EL101

NOTES:

1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

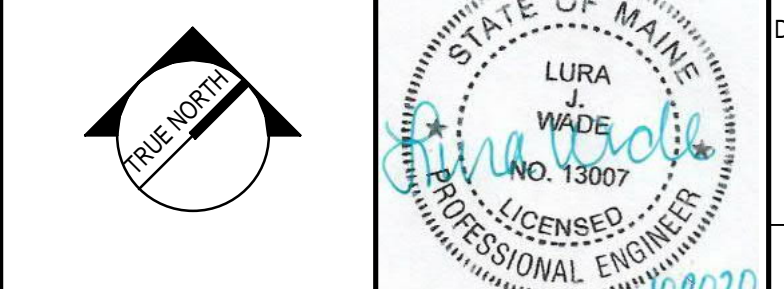


LEVEL 1 SYSTEMS PLAN A1
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
10-21-20

CURRENT ISSUE STATUS:



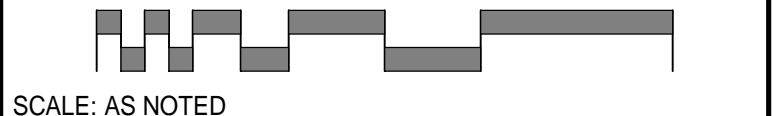
PROJECT NORTH:

SMRT Architecture + Engineering + Planning
SMRT Architects and Engineers
75 Washington Ave., Suite 3A
Portland, Maine 04104
1.877.700.7678
www.smrtinc.com

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EDUCATION CENTER
RENOVATIONS**
807 Cushing Rd. Warren, ME 04864

SYSTEMS PLAN

SHEET TITLE:



SCALE: AS NOTED

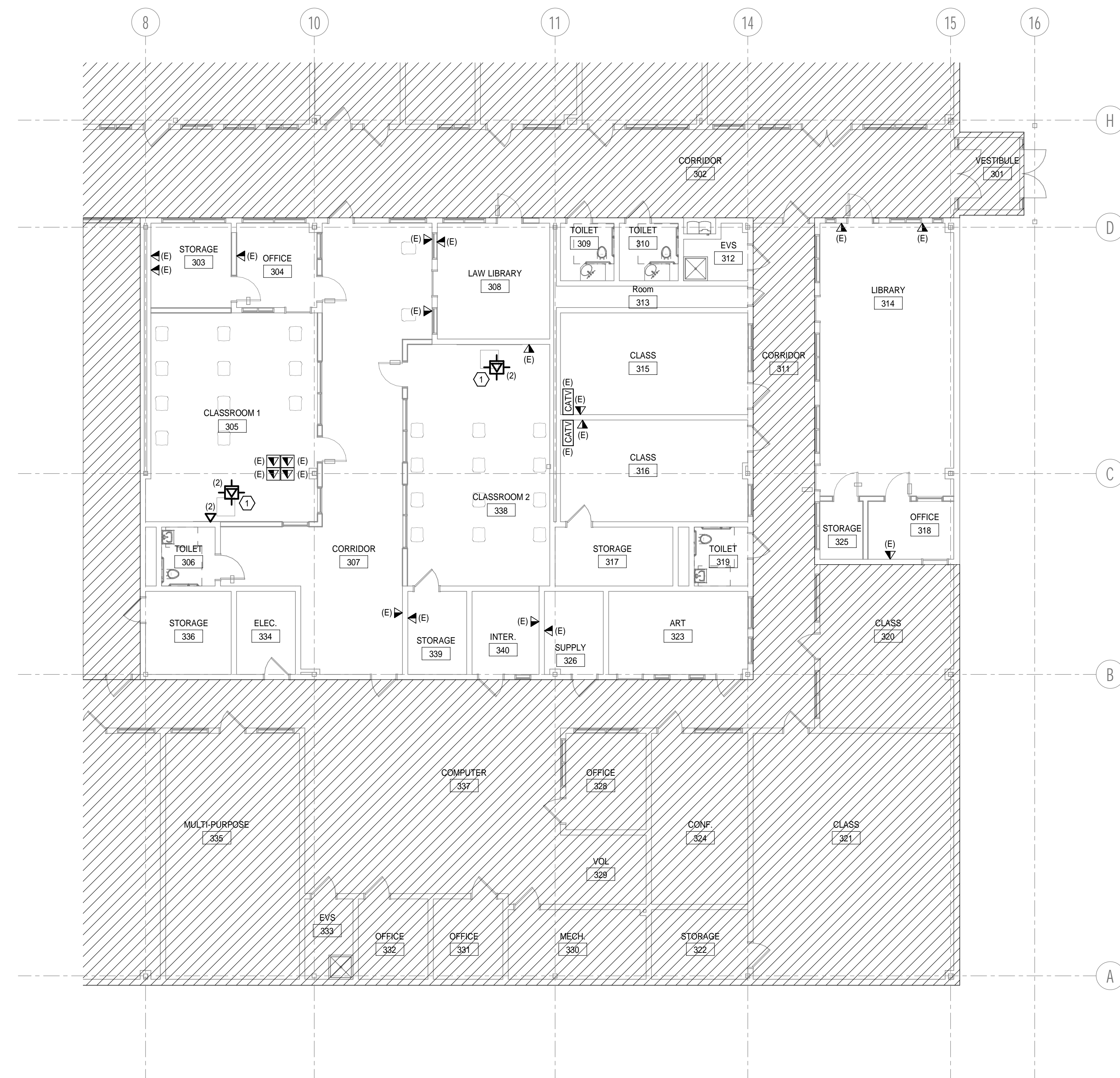
PROJECT MANAGER: JGJ	PROJECT NO: 20560
A/E OF RECORD: Checker	
JOB CAPTAIN: BLS	
DRAWN BY: Author	
SMRT FILE: EY101-20560	SHEET No. EY101

NOTES:

- 1. SEE SHEET E-001 FOR LEGEND AND GENERAL NOTES.

KEYED NOTES:

- (1) CEILING MOUNTED DATA DROP FOR OVERHEAD PROJECTOR.

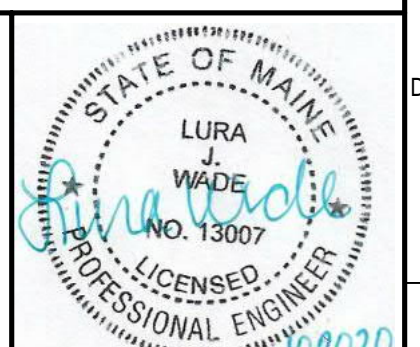
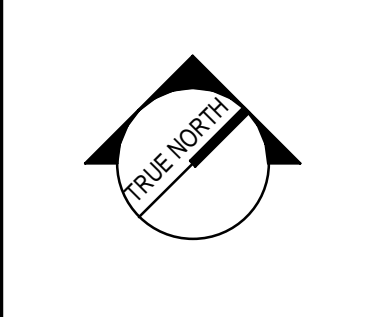


LEVEL 1 TECHNOLOGY PLAN (A1)
1/8" = 1'-0"

REV	DESCRIPTION	DATE
0	ISSUED FOR BID	10-21-20

ISSUED FOR BID
10-21-20

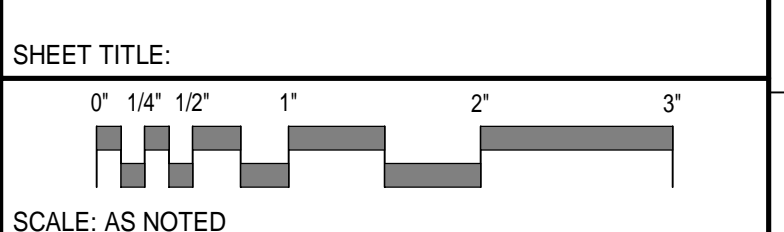
CURRENT ISSUE STATUS:



PROJECT NORTH: SMRT Architects and Engineers
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807 Cushing Rd. Warren, ME 04864

ELECTRICAL TECHNOLOGY PLAN



PROJECT MANAGER: JGJ	PROJECT NO: 20560
A/E OF RECORD: Checker	
JOB CAPTAIN: BLS	
DRAWN BY: Author	
SMRT FILE: ET101-20560	SHEET No. ET101